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FOREWORD

The U.S. Environmental Protection Agency, under a series of documents exchanges with foreign governments and international organizations, is collecting environmental reports from around the world. This publication, a monthly announcement of documents received by EPA under the exchanges, is distributed to EPA staff and is available to others through the National Technical Information Service (NTIS). See inside cover for subscription rates.

Index System

In each issue the document summaries are grouped by subject, by category of document, and by country. Subject areas, which reflect EPA programs, include:

air	pesticides
water	toxic substances
noise	radiation
solid wastes	land use

Categories of documents are:

1. general
2. legal/legislative/regulatory (LR)
3. planning/management/organization (PM)
4. scientific/technical (ST)
5. socio/economic (SE)

Summaries covering more than one subject are cross-referenced in the Table of Contents. Abstracts appear only once, however, under the primary subject heading marked by an asterisk. For example a British report on "Disposal of Awkward Household Wastes" is indexed under pesticides, solid wastes, water, and toxic substances. The summary appears only once, under solid wastes, but the report title is listed with the EPA ID number under each of the other headings.

Explanation of the codes and abbreviations used with each summary is on page ii.

Translations

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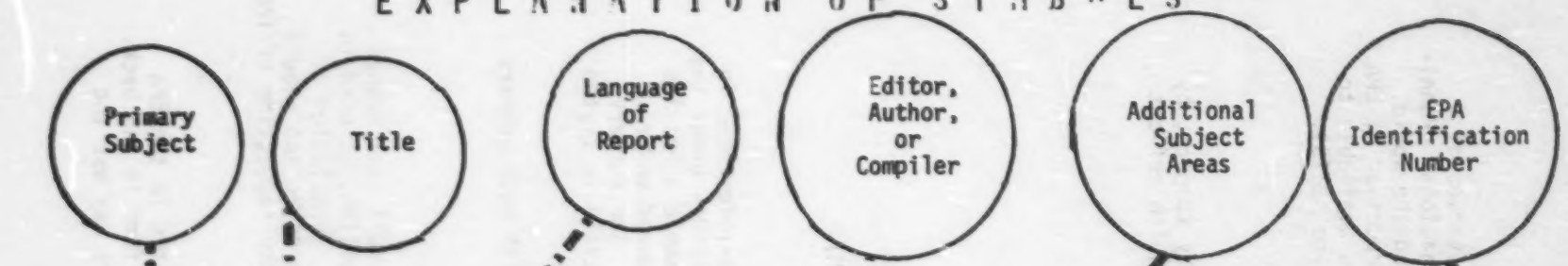

ECUADOR

LRA/GENERAL

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{"FEBRUARY 4, 1971 SUPREME DECRETT NO. 188 ISSUING THE HEALTH CODE." FOOD AND AGRICULTURAL LEGISLATION, V. 20.
FOOD AND AGRICULTURAL ORGANIZATION, UN, COMP.
ENGLISH 12/00/71 PGS 58-60 EPA ID# 01686A.
AIR WATER PESTICIDES RADIATION

THIS COMPREHENSIVE HEALTH DECREE ASSIGNS TO THE EXECUTIVE, ACTING THROUGH THE MINISTRY OF PUBLIC HEALTH, RESPONSIBILITIES IN THE POLITICAL, SOCIAL, AND ECONOMIC SPHERES AS REGARDS PUBLIC HEALTH AND THE ENVIRONMENT AND TO THE NATIONAL HEALTH DIRECTORATE RESPONSIBILITIES IN THE TECHNICAL AND ADMINISTRATIVE SPHERE AND IN THE FORMULATION OF DIRECTIVES AND IN ENFORCEMENT AND EVALUATION.

LRA - LEGAL TEXT

LRB - LEGAL COMMENTARY

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BELGIUM "FEBRUARY 12, 1974 MINISTERIAL ORDER ON THE HEATING INSTALLATIONS OF BUILDINGS LOCATED IN SPECIAL PROTECTION ZONES AGAINST AIR POLLUTION." MONITEUR BELGE

LR(A) FRENCH 03/19/74 PGS 3948-50 EPA ID# 00436N

THIS ORDER HAS BEEN ISSUED BY THE MINISTER OF PUBLIC HEALTH, THE ENVIRONMENT AND THE FAMILY IN PURSUANCE OF, INTER ALIA, THE CROWN ORDER OF JULY 26, 1971, AS AMENDED BY THE CROWN ORDER OF JULY 3, 1972 AND THE CROWN ORDER OF JANUARY 29, 1974. IT LAYS DOWN VARIOUS CONDITIONS, WITH RESPECT TO MAINTENANCE OPERATIONS AND APPROVAL VERIFICATIONS, THAT ARE APPLICABLE TO FUEL-BURNING HEATING INSTALLATIONS LOCATED IN SPECIAL PROTECTION ZONES AGAINST AIR POLLUTION.

COMECON "ENVIRONMENTAL PROTECTION CONFERENCE IN POTSDAM CONCLUDED." NEUES DEUTSCHLAND

PH(B) GERMAN 10/17/75 PGS 2 EPA ID# 03564A WATER

ACCORDING TO THIS NEWSPAPER ARTICLE, THE COUNCIL FOR ENVIRONMENTAL PROTECTION OF THE COMMITTEE FOR ECONOMIC-TECHNICAL COOPERATION IN THE COUNCIL FOR ECONOMIC MUTUAL ASSISTANCE (CEMA) WILL COORDINATE COMPREHENSIVE MEASURES FOR THE MAINTENANCE OF AIR AND WATER PURITY IN THE SOCIALIST NATIONS IN THE COMING YEARS. MEASURES WILL INCLUDE THE DEVELOPMENT OF IMPROVED PURIFICATION FACILITIES AND RESEARCH INTO UNIFORM CRITERIA AND STANDARDS FOR AIR AND WATER PURITY. THESE DECISIONS WERE ANNOUNCED AFTER THE SEVENTH MEETING OF THE COUNCIL IN POTSDAM RECENTLY.

FRANCE "AUTOMOBILE POLLUTION: CONTROLS INCREASED." LE FIGARO SCHWEITZER, GENEVIEVE

LR(B) FRENCH 05/18/76 PGS 7 EPA ID# 03569A

DISREGARD FOR EC REGULATIONS CURRENTLY IN EFFECT IN FRANCE, WHICH STIPULATE THAT VEHICLES, AT IDLING, MUST NOT EMIT MORE THAN 4.5 PERCENT CARBON MONOXIDE PER VOLUME, HAS PROMPTED THE FRENCH MINISTER FOR THE QUALITY OF LIFE TO LAUNCH A PUBLIC INFORMATION CAMPAIGN. AS PART OF THIS CAMPAIGN, DRIVERS WILL BE ENTITLED TO FREE POLLUTION-INSPECTIONS OF THEIR VEHICLES IN PARTICIPATING AUTHORIZED CONTROL CENTERS FROM FEBRUARY 23 TO MARCH 3. AFTER THAT DATE INSPECTIONS, COSTING AS MUCH AS 36 FRANCS, WILL BE REQUIRED. A "WHITE CARD" FOR PRESENTATION BY THE DRIVER UPON REQUEST BY THE POLICE WILL RECORD DATES OF ALL SUCH INSPECTIONS. AS OF JANUARY 1, 1977, DRIVERS FOUND TO BE VIOLATING THIS REGULATION WILL BE FINED FROM 80 TO 160 FRANCS. IMPRISONMENT OF UP TO 8 DAYS IS PROVIDED FOR REPEATED OFFENSES.

AIR

FRANCE

"CONSIDERING THE LEGISLATIVE AND REGULATORY ACTIVITY OF THE MINISTRY FOR THE QUALITY OF LIFE." NUISANCES ET ENVIRONNEMENT, NO. 47
CATHALA, R., AND OTHERS
EPA
LR(B) FRENCH 01/00/76 PGS 51-54 ID# 03573A
*WATER NOISE SOLID WASTE

FRANCE

"EDF -- 1974 ANNUAL REPORT -- PREVENTION OF OPERATIONAL NUISANCES."
POLLUTION ATMOSPHERIQUE, NO. 69
CANN, D.Q.
EPA
PM(B) FRENCH 01/00/76 PGS 25-32 ID# 03590A

IN ITS REVIEW OF THE 1974 EDF (ELECTRICITE DE FRANCE) ANNUAL REPORT, THIS ARTICLE FOCUSES ON THE EFFORTS EXERTED IN THE STRUGGLE AGAINST AIR POLLUTION GENERATED BY THERMAL POWER PLANTS. BRIEFLY SUMMARIZED ARE EDF ACTIVITIES IN THE FOLLOWING AREAS: IMPROVEMENT TO EQUIPMENT (STACKS, DEDUSTERS) AND ITS OPERATION; CONTROL OF POLLUTION LEVEL ON PLANT SITES; RESEARCH INTO THE IMPROVEMENT OF MEASUREMENT AND PREVENTION EQUIPMENT; AND THE INSTALLATION OF A WARNING SYSTEM IN THE PARIS AREA.

GERMANY, FED REP OF

"JAN. 16, 1976 ORDINANCE ON THE MARKING OF THE QUALITIES OF OTTO FUELS AND THE ANNOUNCEMENT OF THE REQUIREMENTS FOR OTTO FUELS." BUNDESGESETZBLATT, I
EPA
LR(A) GERMAN 01/20/76 PGS 135-139 ID# 01312E

THIS ORDINANCE, ISSUED PURSUANT TO ARTICLE 2A, PARAGRAPH 3 OF THE 1971 LEADED GASOLINE LAW, AS LAST AMENDED NOVEMBER 25, 1975, REQUIRES THOSE COMMERCIALLY OFFERING OTTO FUELS TO THE CONSUMER TO DISPLAY THE MINIMUM GUARANTEED QUALITIES (SUPER OR REGULAR) ON THE DISPENSING PUMP OR ELSEWHERE IN THE FILLING STATION. IN THIS REGARD, IT IS FORBIDDEN TO MARK A FUEL WITH A LEAD CONTENT HIGHER THAN THAT PERMITTED BY ARTICLE 2 OF THE LEADED GASOLINE LAW. THE GERMAN STANDARDS (DEUTSCHE NORMEN) FOR FLUID OTTO FUELS ARE APPENDED TO THE ORDINANCE. THEY INCLUDE A MAXIMUM LEAD CONTENT OF 0.15 GRAMS PER LITER FOR SUPER AND REGULAR FUELS BEGINNING JANUARY 1, 1976, IN CONFORMANCE WITH REQUIREMENTS OF THE LEADED GASOLINE LAW.

AIR

GREAT BRITAIN

"CONTROL OF POLLUTION ACT 1974 COMMENCEMENT ORDER NO. 4. PART IV. POLLUTION OF THE ATMOSPHERE." DEPARTMENT OF THE ENVIRONMENT CIRCULAR 7/76
GREAT BRITAIN. DEPARTMENT OF THE ENVIRONMENT EPA
LR(B) ENGLISH 01/12/76 PGS 1-3 ID# 02482H

THIS JOINT CIRCULAR OF THE BRITISH DEPARTMENT OF THE ENVIRONMENT AND THE WELSH OFFICE PROVIDES GUIDANCE AND ADVICE ON THE APPLICATION OF CERTAIN PROVISIONS OF PART IV OF THE CONTROL OF POLLUTION ACT CONCERNING AIR POLLUTION, WHICH WERE BROUGHT INTO FORCE BY THE CONTROL OF POLLUTION ACT COMMENCEMENT ORDER NO. 4 ON JANUARY 1, 1976. THE PROVISIONS, SECTIONS 75 TO 84, 103 AND CERTAIN REPEALS, MODIFICATIONS AND AMENDMENTS CONTAINED IN SCHEDULES 2, 3 AND 4 OF THE ACT, CONCERN THE FOLLOWING TOPICS: REGULATIONS AND SUBSEQUENT PROVISIONS ABOUT THE SULFUR CONTENT OF OIL AND FUEL FOR FURNACES; CABLE BURNING; RESEARCH AND PUBLICITY; REQUIREMENTS OF LOCAL AUTHORITIES TO SEND AIR POLLUTION READINGS TO THE SECRETARY OF STATE FOR THE ENVIRONMENT; INTERPRETATION OF TERMS IN PART IV OF THE ACT; METRIFICATION OF ENACTMENTS; PENALTIES; AND AMENDMENTS AND REPEALS OF CERTAIN PROVISIONS IN OTHER ACTS. IT IS NOTED THAT MOST OF THE ENACTED PROVISIONS WILL NOT BE FULLY EFFECTIVE UNTIL FURTHER REGULATED, AND NO IMMEDIATE SPENDING BY LOCAL AUTHORITIES WILL BE INVOLVED.

NORWAY

POLLUTION AND URBAN LAND USE IN THE OSLO AREA (BY-OG REGIONFORSKNINGEN. RAPPORT 15)
SKAGE, OLAV R. EPA
PH(B) NORWEGIAN 00/00/70 PGS 1-47 ID# 03593A
LAND USE

CLIMATOLOGICAL AND TOPOGRAPHIC FACTORS WHICH INFLUENCE THE DISPERSION OF AIR POLLUTION WITHIN THE GEOGRAPHIC AREA OF OSLO ARE DISCUSSED IN THIS BOOKLET. WITH A POPULATION OF LESS THAN 500,000 AND SURROUNDED BY A FJORD AND FORESTED HILLS, THE NORWEGIAN CAPITAL HAS AS MUCH SULFUR DIOXIDE IN THE ATMOSPHERE DURING THE WINTER MONTHS AS DOES LONDON OR OTHER MAJOR CITIES OF THE WORLD. AN ENGLISH SUMMARY, CHARTS AND SEVERAL MAPS WITH ENGLISH SUBTITLES ARE INCLUDED.

SWEDEN

"EFFECTS OF ACID RAIN." CURRENT SWEDEN - ENVIRONMENT PLANNING AND CONSERVATION NO. 62
ENNELIN, LARS EPA
ST( ) ENGLISH 03/00/76 PGS 1-6 ID# 03592A
TOXIC SUBS

PRECIPITATION OVER SCANDINAVIA HAS BECOME INCREASINGLY ACID, A FACT WHICH IS ATTRIBUTED TO EMISSION OF SULFUR TO THE ATMOSPHERE. THE COMPLEX ECOLOGICAL PROBLEMS THAT RESULT AND THE SUBSEQUENT CHEMICAL AND PHYSICAL TRANSFORMATION THAT THE POLLUTANTS UNDERGO IN THE AIR ARE DISCUSSED IN THIS PAMPHLET. THE EFFECTS OF THIS PROBLEM ARE STILL LARGELY UNKNOWN, BUT BASED ON PAST EXPERIENCE, THE FOLLOWING CAN BE EXPECTED: INCREASE IN CORROSION OF METALS AND DAMAGE TO MATERIALS SUCH AS LIMESTONE AND CONCRETE; CERTAIN HEALTH PROBLEMS; EFFECTS ON SOIL NUTRIENT STATUS WITH CONSEQUENCES MAINLY FOR FOREST PRODUCTION; AND ACIDIFICATION OF LAKES AND RIVERS RESULTING IN DECREASED FISH POPULATION OF SUCH VALUABLE SPECIES AS TROUT AND SALMON. ALTHOUGH IT IS ESTIMATED THAT ONLY 25 PERCENT OF THE SULFUR ORIGINATES IN SWEDEN, LONG-TERM PROGRAMS HAVE BEEN INTRODUCED TO REDUCE SULFUR IN FUEL OILS. PRESENTLY, OILS WITH MORE THAN 2.5 PERCENT OF SULFUR (BY WEIGHT) ARE BANNED AND IN CERTAIN AREAS THE LIMIT IS ONE PERCENT.

CANADA

HEAVY METALS IN AGRICULTURAL LANDS RECEIVING CHEMICAL SEWAGE SLUDGES. VOLUME III. RESEARCH REPORT NO. 30.
VAN LOON, J.C.

ST( ) ENGLISH 00/00/75 PGS 1-37 EPA ID# 03563A

THIS ENVIRONMENT CANADA REPORT DESCRIBES EXISTING AND NEWLY DEVELOPED METHODS FOR THE ANALYSIS OF METALS IN SEWAGE SLUDGES. ATOMIC ABSORPTION AND ELECTROCHEMICAL TECHNIQUES ARE EMPHASIZED. PROCEDURES DEVELOPED SPECIFICALLY FOR ARSENIC, SELENIUM, MERCURY, TIN, AND MOLYBDENUM ANALYSES ARE INCLUDED. THE QUARTZ "T" TUBE FURNACE FOR FLAMELESS ATOMIC ABSORPTION STUDIES OF THERMAL VOLATILITY AND GAS CHROMATOGRAPHY OF METAL COMPOUNDS IN SLUDGE HAS BEEN DEVELOPED AND IS DESCRIBED. A NUMBER OF CHEMICAL SEWAGE SLUDGES WERE ANALYZED FOR METALS AND THE RESULTS ARE TABULATED.

DENMARK

BEKENDTGORELSE AF FORRETNINGSORDEN FOR MILJOANKENAEVNET (JULY 16, 1975 ORDER NO. 372 ON RULES OF PROCEDURE FOR THE ENVIRONMENTAL APPEAL BOARD)

LR(A) DANISH 07/16/75 PGS 1-2 EPA ID# 01742P

THIS ORDER, ISSUED IN PURSUANCE OF THE ENVIRONMENTAL PROTECTION ACT OF JUNE 13, 1973, #77, STIPULATES THAT THE ENVIRONMENTAL APPEAL BOARD IS TO CONSIST OF A CHAIRMAN, ONE OR SEVERAL DEPUTIES AND A NUMBER OF APPOINTED EXPERT MEMBERS. INDIVIDUAL CASES ARE DECIDED BY MAJORITY VOTE BY THE CHAIRMAN OR A DEPUTY AND TWO OR FOUR MEMBERS, APPOINTED BY THE CHAIRMAN. A MEMBER CANNOT BE ASSIGNED TO A CASE IF HIS PARTIALITY IS QUESTIONED OR IF HE HAS BEEN INVOLVED WITH THE CASE IN A LOWER COURT. A COMPLAINT, WHICH CAN BE WITHDRAWN AT ANY TIME BEFORE A VERDICT IS REACHED, HAS TO BE SUBMITTED IN WRITING, AND PEOPLE AND INSTALLATIONS PREVIOUSLY INVOLVED IN THE CASE MUST BE NOTIFIED AND INVITED IF A HEARING IS SCHEDULED. PERTINENT MATERIAL SHOULD BE SUBMITTED IN WRITING UP TO TEN WORKING DAYS BEFORE THIS TIME. THE DECISION OF THE BOARD IS ALWAYS ISSUED IN WRITTEN FORM.

DENMARK

ACT NO. 317 OF JUNE 26, 1975 ON TEMPORARY ENVIRONMENTAL INVESTMENT SUBSIDIES

LR(A) DANISH 06/26/75 PGS 1 EPA ID# 03596A

100 MILLION NORWEGIAN KRONER HAVE BEEN BUDGETED IN 1975-76 FOR ENVIRONMENTAL INVESTMENTS UNDERTAKEN BY PRIVATE INDUSTRIAL ESTABLISHMENTS. SUBSIDIES CAN ONLY BE GRANTED FOR INVESTMENTS OVER 50,000 KRONER AND FOR PROJECTS STARTED BETWEEN JULY 15, 1975 AND APRIL 1, 1976 AND COMPLETED BEFORE APRIL 1, 1977. THE AMOUNT OBTAINED BY ANY SINGLE ESTABLISHMENT CANNOT EXCEED 10 MILLION KRONER. THE SUBSIDY, WHICH CAN BE UP TO 50 PERCENT OF THE TOTAL INVESTMENT, MUST RESULT IN A CONSIDERABLE DECREASE OF POLLUTION AND SHOULD BE GRANTED ON AN EMPLOYMENT ORIENTED BASIS. APPLICATIONS ARE TO BE SUBMITTED TO THE APPROPRIATE MUNICIPAL OR TOWN COUNCIL FOR EVALUATION. THEY ARE THEN SENT TO THE ENVIRONMENTAL PROTECTION AGENCY, WHICH IN TURN SUBMITS THEM WITH ITS RECOMMENDATIONS TO THE MINISTER FOR THE ENVIRONMENT, WHO MAKES THE FINAL DECISION. THIS LAW WENT INTO EFFECT ON JULY 15, 1975 AND IS NOT VALID FOR GREENLAND AND THE FAROE ISLANDS.

FRANCE "ORGANIZATION OF DEPARTMENTAL OFFICES FOR THE ENVIRONMENT." POLLUTION ATMOSPHERIQUE. NO. 69

PM(A) FRENCH 01/00/76 PGS 87 EPA ID# 03601A

A RECENT INQUIRY BY THE FRENCH MINISTER FOR THE QUALITY OF LIFE POINTED OUT THE ABSENCE OF ENVIRONMENTAL OFFICES WITHIN A LARGE NUMBER OF PREFECTURES. DESPITE A FEBRUARY 1972 CIRCULAR MAKING PREFECTURAL SERVICES RESPONSIBLE FOR THE IMPLEMENTATION, ON THE DEPARTMENTAL LEVEL, OF ENVIRONMENTAL POLICY. A DECEMBER 2, 1975 CIRCULAR, NOT PUBLISHED IN THE JOURNAL OFFICIEL, ACCORDINGLY STRESSES THE IMPORTANCE OF ESTABLISHING SUCH OFFICES AND ENUMERATES THE FUNCTIONS OF THE OFFICE CHIEF, WHICH INCLUDE LIAISON AND PROMOTION, AS WELL AS POLLUTION CONTROL.

GERMANY,FED REP OF "FEBRUARY 21, 1975 LAW TO AMEND THE INCOME TAX LAW AND THE INVESTMENT ALLOWANCE LAW." BUNDESGESETZBLATT, I

LR(A) GERMAN 02/25/75 PGS 525-527 EPA ID# 03594A
ALSO SE

INCREASED TAX WRITE-OFFS FOR DEPRECIABLE ECONOMIC GOODS USED PRIMARILY FOR ENVIRONMENTAL PROTECTION ARE AUTHORIZED IN THE FEDERAL REPUBLIC OF GERMANY (FRG). GOODS ACQUIRED OR PRODUCED AFTER DECEMBER 31, 1974 AND BEFORE JANUARY 1, 1981 CAN BE WRITTEN OFF UP TO 60 PERCENT IN THE YEAR THEY ARE ACQUIRED, AND 10 PERCENT EACH YEAR THEREAFTER UNTIL FULL DEPRECIATION. GOODS ARE CONSIDERED USED FOR ENVIRONMENTAL PURPOSES IF THEY HINDER, REMOVE OR REDUCE THE OCCURRENCE OF SEWAGE, DAMAGE FROM SEWAGE, WATER POLLUTION THROUGH SUBSTANCES OTHER THAN SEWAGE, AIR POLLUTION, NOISE OR VIBRATION OR ARE USED TO REMOVE WASTE UNDER THE LAW ON THE DISPOSAL OF WASTE. INCREASED WRITE-OFFS MAY NOT BE TAKEN FOR GOODS USED IN FACILITIES ESTABLISHED AFTER DECEMBER 31, 1974. THE CHANGES IN THE INVESTMENT ALLOWANCE LAW CONCERN FACILITIES FOR THE PRODUCTION OF ENERGY.

GREAT BRITAIN ENVIRONMENTAL EVALUATION: THE COST-BENEFIT APPROACH. TECHNICAL PAPER NO. 1
R. TRAVERS MORGAN AND PARTNERS

SE( ) ENGLISH 00/00/74 PGS 1-64 EPA ID# 03560A
LAND USE

THE COST-BENEFIT ANALYSIS, DEVELOPED BY THE CONSULTING FIRM OF R. TRAVERS MORGAN AND PARTNERS FOR THE URBAN MOTORWAYS TEAM, IS ONE METHOD OF APPRAISING MAJOR URBAN ROAD PLANS. IT INVOLVES EXPRESSING ENVIRONMENTAL COSTS IN MONETARY TERMS. THIS PAPER APPLIES THE TECHNIQUE TO EVALUATING THE COST TO HOUSEHOLDS THAT MUST MOVE BECAUSE OF ROAD CONSTRUCTION. CHAPTER 1 EXPLAINS HOW THE VALUES FOR THE VARIOUS ENVIRONMENTAL EFFECTS WERE DETERMINED AND DISTRIBUTED AMONG VARIOUS GROUPS IN THE COMMUNITY. CHAPTER 2 DESCRIBES HOW INFORMATION FOR COST ESTIMATES WAS DERIVED AND ASCRIBED TO SEVERAL GROUPS. CHAPTER 3 SUMMARIZES RESULTS IN MATRIX FORM, AND CHAPTER 4 GIVES AN EXAMPLE OF A COMPARATIVE EVALUATION OF SEVERAL SCHEMES FOR ONE AREA. CHAPTER 5 DISCUSSES POINTS THAT MIGHT BE CONSIDERED IN FUTURE COST-BENEFIT WORK. NOT ALL OF THE IDEAS EXPRESSED IN THE REPORT ARE FULLY APPLICABLE ON A PRACTICAL BASIS AT PRESENT. THIS PAPER DISCUSSES IN MORE DETAIL IDEAS FIRST PRESENTED IN THE URBAN MOTORWAYS PROJECT TEAM'S REPORT FOR EVALUATING ROAD PLANS.

GENERAL

GREAT BRITAIN

DEPARTMENT OF THE ENVIRONMENT REGISTER OF RESEARCH 1975. PART IV: ENVIRONMENTAL POLLUTION
GREAT BRITAIN. DEPARTMENT OF THE ENVIRONMENT EPA
GT( ) ENGLISH 00/00/75 PGS 1-258 ID# 030058

PART IV OF THE ENVIRONMENT REGISTER OF THE BRITISH DEPARTMENT OF THE ENVIRONMENT GIVES INFORMATION ON POLLUTION RESEARCH PROJECTS UNDERWAY IN THE UNITED KINGDOM AS OF 1975. PROJECTS ARE ARRANGED UNDER THE CATEGORIES OF AIR POLLUTION, NOISE, MARINE POLLUTION, FRESHWATER POLLUTION, LAND POLLUTION, RADIOACTIVITY, AND METALLIC ELEMENTS. UNDER EACH OF THESE CATEGORIES PROJECTS ARE SUBGROUPED ACCORDING TO WHETHER THE RESEARCH BEING REALIZED INVOLVES SURVEILLANCE, EFFECTS, CONTROL, MODEL STUDIES OR METHODS OF MEASUREMENT. GENERAL INFORMATION ON EACH PROJECT INCLUDES TITLE OF PROJECT, DESCRIPTION, CONDUCTING AND SPONSORING ORGANIZATIONS, SCOPE, RESEARCH WORKERS, DATES OF PROJECT, AND REPORTS AND PUBLICATIONS. FOUR INDEXES ENABLE THE USER OF THE REGISTER TO FIND THE WORK CARRIED ON IN ANY GIVEN SUBJECT, THE WORK OF ANY GIVEN ORGANIZATION, THE WORK SPONSORED BY ANY GIVEN ORGANIZATION, AND THE WORK OF ANY GIVEN INDIVIDUAL. A LIST OF CONTRIBUTING ORGANIZATIONS IS ALSO GIVEN.

HONG KONG

HONG KONG ENVIRONMENT...AN ECONOMIC PERSPECTIVE
CARR, NEIL EPA
SE( ) ENGLISH 00/00/00 PGS 1-34 ID# 03571A

THIS PUBLICATION DISCUSSES ECONOMIC THEORY AS IT PERTAINS TO ENVIRONMENTAL PROTECTION IN GENERAL, WITH SOME PARTICULAR REFERENCE TO HONG KONG. IT STRESSES THAT THE PRESENT STATE OF ECONOMICS CAN, TO SOME EXTENT, REALISTICALLY DEFINE IMMEDIATE ENVIRONMENTAL COSTS, BUT IN THE LONG RUN THE TRADITIONAL ECONOMIC METHODS OF PRICING-ALLOCATION AND EQUILIBRIUM APPROACHES CAN NOT ACCOUNT FOR THE COMPLEX FACTORS INVOLVED CONCERNING SOCIAL NEEDS AND ENVIRONMENTAL QUALITY. NEVERTHELESS, THE URGENCY OF THE WORLD ENVIRONMENTAL SITUATION REQUIRES US TO PROCEED WITH THE TOOLS AT HAND IN IMPLEMENTING ENVIRONMENTAL CONTROL. SUGGESTIONS ARE SET FORTH FAVORING THE REORIENTATION OF SOCIAL AND ECONOMIC VALUES CONCERNING THE ENVIRONMENT AS WELL AS THE PROMULGATION OF AN ENVIRONMENTAL BILL OF RIGHTS AND THE CREATION OF GOVERNMENT ENVIRONMENTAL ORGANIZATIONS WITH THE POWER TO ENFORCE ENVIRONMENTAL LAWS.

JAPAN

QUALITY OF THE ENVIRONMENT IN JAPAN, 1975
JAPAN. ENVIRONMENT AGENCY EPA
PM(A) ENGLISH 02/00/76 PGS 1-201 ID# 02974B
ALSO PNB, LRB AND SE

THIS ANNUAL PUBLICATION IS A CONDENSED VERSION OF THE WHITE PAPER ON THE ENVIRONMENT SUBMITTED BY THE JAPANESE ENVIRONMENT AGENCY TO THE 73RD SESSION OF THE JAPANESE DIET IN PURSUANCE OF THE 1967 BASIC LAW FOR ENVIRONMENTAL POLLUTION CONTROL. PART ONE OF THE PUBLICATION IS A GENERAL INTRODUCTION DISCUSSING THE HISTORY AND PROGRESS IN ENVIRONMENTAL ADMINISTRATION, IN DEVELOPMENT OF ENVIRONMENTAL PROGRAMS AND SYSTEMS, AND IN ENVIRONMENTAL COST ALLOCATIONS. PART TWO DETAILS MORE SPECIFIC SECTORS OF ENVIRONMENTAL PROTECTION INCLUDING CURRENT DEVELOPMENTS IN ENVIRONMENTAL ADMINISTRATION, THE PRESENT STATE OF THE TYPES OF POLLUTION AND CONTROLLING MEASURES, HEALTH DAMAGE CAUSED BY POLLUTION, NATURE PRESERVATION, ENVIRONMENTAL RESEARCH, AND INTERNATIONAL ARRANGEMENTS. PART THREE OUTLINES ENVIRONMENTAL MEASURES ENVISAGED FOR FISCAL YEAR 1975. APPENDIXES TO THE PUBLICATION REPRINT JAPAN'S BASIC POLICY ON ENVIRONMENTAL CONSERVATION AND LIST ENVIRONMENTAL STANDARDS ON AIR AND WATER QUALITY, EMISSIONS AND EFFLUENTS, AND NOISE.

GENERAL

SWITZERLAND "NUCLEAR POWER STATIONS: CLIMATIC PROBLEMS HAVE TOP PRIORITY." JOURNAL DE GENEVE

PM(B) FRENCH 11/05/75 PGS 9 EPA ID# 03576A

THE PROBLEMS OF METEOROLOGICAL MODIFICATIONS DUE TO THE OPERATION OF NUCLEAR POWER PLANTS IS BEING STUDIED IN SWITZERLAND BY AN AD HOC WORKING GROUP UNDER THE SUPERVISION OF A SWISS METEOROLOGICAL INSTITUTE OFFICER. OF PARTICULAR CONCERN AT THIS TIME ARE TWO PROPOSED NUCLEAR PLANTS FOR CONSTRUCTION ON THE RHINE ABOVE AND BELOW THE CITY OF BASEL. THE WORKING GROUP IS EXPECTED TO MAINTAIN RECORDS OF PRESENT METEOROLOGICAL AND CLIMATIC DATA, TAKING INTO ACCOUNT HEAT AND POLLUTING EMISSIONS FROM THERMAL INSTALLATIONS, INDUSTRY AND TRAFFIC. A METHOD OF CALCULATING CLIMATIC MODIFICATIONS OCCURRING AS A RESULT OF NUCLEAR COOLING TOWER HEAT EMISSIONS IS ALSO EXPECTED TO BE FORMULATED BY THE WORKING GROUP. FINALLY, THE GROUP'S EFFORTS ARE TO INCLUDE A STUDY OF THE IMPACT OF REMOTE NUCLEAR ENERGY PRODUCTION, FOR INDUSTRIAL AND HEATING PURPOSES, ON AIR QUALITY IN THE CITY OF BASEL.

UNITED NATIONS "U. N. ENVIRONMENTAL PROTECTION MEETING IN NAIROBI." NEUE ZUERCHER ZEITUNG

PM(A) GERMAN 04/21/76 PGS 4 EPA ID# 03602A

THIS ARTICLE DISCUSSES CERTAIN PROBLEMS AND ACHIEVEMENTS OF THE UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP) ON THE OCCASION OF UNEP'S FOURTH COUNCIL MEETING IN NAIROBI DURING EASTER WEEK. UNEP HAS SUFFERED BUDGET PROBLEMS BECAUSE CERTAIN COUNTRIES, AMONG THEM THE U.S. AND THE U.S.S.R., HAVE FAILED TO CONTRIBUTE THE TOTAL PLEDGED FUNDS. THIS STEMS IN PART FROM DISAGREEMENTS ABOUT SOME OF THE ORGANIZATION'S PROGRAMS. THE UNEP "EARTHWATCH" PROGRAM HAS ALSO BEEN DISAPPOINTING IN SOME RESPECTS THUS FAR, PRIMARILY BECAUSE MANY NATIONS (WITH THE EXCEPTION OF THE U.S. AND THE FEDERAL REPUBLIC OF GERMANY) HAVE NOT SENT INFORMATION NECESSARY FOR THE "EARTHWATCH" COMPUTER. ON THE OTHER HAND, SOME PROGRESS HAS BEEN MADE IN STUDYING THE PROBLEMS OF INDUSTRIAL POLLUTION. A UNEP OFFICE IN PARIS SPECIALIZES IN INDUSTRIAL POLLUTION RESEARCH. ALSO ON THE POSITIVE SIDE, UNEP'S COUNCIL HAS DECIDED TO PUBLISH A REGISTER OF POISONOUS SUBSTANCES IN THE AIR AND FOODSTUFFS.

LAND USE

FRANCE "DECREE NO. 75-1136 OF DECEMBER 11, 1975 FOR THE IMPLEMENTATION OF LAW NO. 75-602 ON THE CREATION OF THE CONSERVANCY OF LITTORAL AREAS." JOURNAL OFFICIEL

LR(A) FRENCH 12/12/75 PGS 12661-64 EPA ID# 03589A

THIS DECREE PLACES THE CONSERVANCY OF LITTORAL AREAS AND LAKESHORES, WHICH WAS ESTABLISHED BY THE JULY 10, 1975 LAW, WITHIN THE JURISDICTION OF THE MINISTER OF LAND PLANNING. IT SETS FORTH ADMINISTRATIVE AND ORGANIZATIONAL PROVISIONS CONCERNING THE FORMULATION OF MULTI-ANNUAL ACTION PROGRAMS, THE ACQUISITION OF NECESSARY LANDS, THE ADMINISTRATIVE COUNCIL MEMBERSHIP AND ITS MEMBERS' RESPONSIBILITIES AND TERM OF OFFICE. SHORE COUNCILS ARE DESIGNATED FOR: THE MEDITERRANEAN, THE CORSICAN, THE ATLANTIC, AND THE CHANNEL AND NORTH SEA LITTORALS, AS WELL AS FOR LAKESHORES. THESE COUNCILS ARE TO BE CONSULTED PRIOR TO ALL POLICY DECISIONS AND ACQUISITIONS.

GREAT BRITAIN
PH(B)

ROADS AND THE ENVIRONMENT
DE HAMEL, BRUNO
ENGLISH 00/00/76 PGS 1-10 EPA ID# 03559A

ROADS AND THE ENVIRONMENT DESCRIBES THE ENVIRONMENTAL ISSUES INVOLVED IN IMPLEMENTING THE GOVERNMENT'S ROAD PROGRAM. IT DISCUSSES PRINCIPLES OF ROUTE SELECTION, THE DESIGN OF ROADS AND BRIDGES. STEPS TAKEN TO FIT THEM INTO THE LANDSCAPE AND MEASURES TO MINIMIZE ANY ADVERSE EFFECTS ON AMENITY IN TOWN AND COUNTRY. PLANTING AND MAINTENANCE ALONG THE ROADS AND SERVICES TO ROAD USERS ARE ALSO CONSIDERED. AN APPENDIX LISTS BOOKLETS AND LEAFLETS ON THE SUBJECT AVAILABLE TO THE PUBLIC. THE AUTHOR OF THIS BOOKLET, PUBLISHED BY THE DEPARTMENT OF THE ENVIRONMENT, IS A MEMBER OF THE SECRETARY OF STATE'S ADVISORY COMMITTEE ON THE LANDSCAPE TREATMENT OF TRUNK ROADS. NUMEROUS PHOTOGRAPHS ILLUSTRATE THE TEXT.

GREAT BRITAIN
SE( )

ENVIRONMENTAL EVALUATION: THE COST-BENEFIT APPROACH. TECHNICAL PAPER NO. 1
R. TRAVERS MORGAN AND PARTNERS
ENGLISH 00/00/74 PGS 1-64 EPA ID# 03560A
*GENERAL

NEW ZEALAND
PH(B)

"UPPER KAITUNA CATCHMENT CONTROL SCHEME... BOLD RECOMMENDATIONS THAT OFFER A NEW APPROACH." SOIL AND WATER, VOL. 12, NO. 2
LISTER, RON G.
ENGLISH 10/00/75 PGS 4-5 EPA ID# 03612A
ALSO SE
*WATER

NORWAY
PH(B)

POLLUTION AND URBAN LAND USE IN THE OSLO AREA (BY-OG REGIONFORSKNINGEN, RAPPORT 15)
SKAGE, OLAV R.
NORWEGIAN 00/00/70 PGS 1-47 EPA ID# 03593A
*AIR

LAND USE

SWITZERLAND "LAW ON LAND USE IS BEING CHALLENGED." JOURNAL DE GENEVE

EPA

LR(B) FRENCH 02/10/76 PGS 12 ID# 03570A

OPPOSITION TO THE SWISS FEDERAL LAW ON LAND USE HAS MADE IT NECESSARY FOR THE LAW TO BE SUBJECTED TO A POPULAR VOTE OF APPROVAL WHICH IS SCHEDULED FOR JUNE 13, 1976. THE PRINCIPLE OF LAND MANAGEMENT, PREVIOUSLY INCORPORATED INTO ARTICLE 22 QUATER OF THE CONSTITUTION, HOLDS THE CONFEDERATION RESPONSIBLE FOR THE FORMULATION OF IMPLEMENTING LEGISLATION, AS WELL AS THE DEVELOPMENT OF COMPREHENSIVE NATION-WIDE LAND USE PLANS. THE LAW, ALREADY ADOPTED BY THE LEGISLATURE, GRANTS TO THE CONFEDERATION THE AUTHORITY TO ACCEPT OR REJECT, AND TO COORDINATE, ALL CANTONAL GENERAL MASTER PLANS. MOREOVER, THE LAW SETS UP THE LEGAL APPARATUS NECESSARY TO SUCH LAND PLANNING. OPPONENTS OF THE LAW ARE OBJECTING TO WHAT THEY VIEW AS OVERCENTRALIZATION OF POWER AND A DISREGARD FOR CANTONAL PREROGATIVES.

NOISE

BELGIUM "MARCH 27, 1974 CROWN DECREE REGULATING THE ORGANIZATION OF AUTOMOBILE VEHICLE RACES, TRAINING AND TESTS." MONITEUR BELGE

EPA

LR(A) FRENCH 04/06/74 PGS 4885-87 ID# 01472C

THIS ORDER, PURSUANT TO THE JULY 18, 1973 LAW ON NOISE CONTROL, IS APPLICABLE TO: 1) ALL AUTOMOBILE VEHICLES AS DEFINED BY THE GENERAL REGULATIONS ON ROAD TRAFFIC CONTROL, INCLUDING PROTOTYPES AND VEHICLES USED EXCLUSIVELY FOR RECREATIONAL PURPOSES; 2) SPEED AND/OR OBSTACLE RACES, TRIALS, AND TRAINING AS WELL AS RECREATIONAL USES OF SUCH VEHICLES ON SITES OR CIRCUITS NOT LOCATED ON PUBLIC THOROUGHFARES. IN ADDITION TO CERTAIN AUTHORIZATION FORMALITIES, THE ORDER PRESCRIBES, INTER ALIA, THAT IT IS PROHIBITED TO ENGAGE IN SUCH ACTIVITIES WITHIN 1000 M OF THE LIMITS OF: 1) ANY BUILT-UP AREA AS DEFINED BY THE GENERAL REGULATIONS ON ROAD TRAFFIC CONTROL; 2) PLACES, SUCH AS CARE ESTABLISHMENTS AND REST HOMES, WHERE QUIET IS NECESSARY; 3) AREAS CLASSIFIED AS NATURE RESERVES, NATURAL PARKS OR FOREST RESERVES; 4) CAMPING SITES, PUBLIC PARKS, AND BEACHES; AND 5) ZONES RESERVED FOR RECREATION.

EUROPEAN COMMUNITIES "COMMISSION DIRECTIVE OF 7 NOV. 1973...(ON) THE PERMISSIBLE SOUND LEVEL AND THE EXHAUST SYSTEM OF MOTOR VEHICLES." JOURNAL OF THE EUROPEAN COMMUNITIES

EPA

LR(A) ENGLISH 11/22/73 PGS 321/33-36 ID# 03574A

THIS "COMMISSION DIRECTIVE OF 7 NOVEMBER 1973 ADAPTING TO TECHNICAL PROGRESS THE COUNCIL DIRECTIVE OF 6 FEBRUARY 1970 ON THE APPROXIMATION OF THE LAWS OF THE MEMBER STATES RELATING TO THE PERMISSIBLE SOUND LEVEL AND THE EXHAUST SYSTEM OF MOTOR VEHICLES (NO. 73/350/EEC)" AMENDS HEADING II, ENTITLED "EXHAUST SYSTEM (SILENCERS)." IT PROVIDES THAT IN ORDER TO RECEIVE NATIONAL TYPE APPROVAL, A VEHICLE IS TO BE FITTED WITH DEVICES DESIGNED TO REDUCE EXHAUST NOISE (SILENCERS) AND SPECIFIES THE PROCEDURE FOR TESTING THE EFFECTIVENESS OF SUCH SILENCERS.

NOISE

FRANCE "NOVEMBER 4, 1975 DECREE ON THE LIMITATION OF AIRBORNE SOUNDS EMITTED BY PICK-HAMMERS AND PAVING-BREAKERS." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 12/11/75 PGS 12614-15 ID# 00894E

THIS DECREE, ISSUED PURSUANT TO DECREE 69-380 ON THE SOUND INSULATION OF MACHINERY USED AT OUTDOOR WORK SITES, IS APPLICABLE TO PICK-HAMMERS AND PAVING-BREAKERS. IT SETS FORTH THE MAXIMUM LIMITS, RANGING FROM 112 DB TO 118 DB, FOR THE AIRBORNE SOUND EMITTED BY PICK-HAMMERS MANUFACTURED OR IMPORTED AS OF JANUARY 1, 1976. EQUIPMENT MANUFACTURED OR IMPORTED PRIOR TO THAT DATE IS EXPECTED TO CONFORM TO THESE NOISE STANDARDS AS OF JANUARY 1, 1980. THE DECREE ALSO PRESCRIBES TYPE APPROVAL PROCEDURES AND INCLUDES, AS AN ANNEX, THE FORM WHICH IS TO BE USED AS A MANDATORY CERTIFICATE OF MODEL TYPE APPROVAL.

FRANCE "CONSIDERING THE LEGISLATIVE AND REGULATORY ACTIVITY OF THE MINISTRY FOR THE QUALITY OF LIFE." NUISANCES ET ENVIRONNEMENT, NO. 47
CATHALA, R., AND OTHERS

EPA

LR(B) FRENCH 01/00/76 PGS 51-54 ID# 03573A

*WATER AIR SOLID WASTE

GERMANY,FED REP OF "JAN. 9, 1974 LAW IMPLEMENTING THE TREATY...BETWEEN THE FEDERAL REPUBLIC OF GERMANY AND AUSTRIA ON THE EFFECTS...OF THE SALZBURG AIRPORT." BUNDESGESETZBLATT

EPA

LR(A) GERMAN 01/15/74 PGS 13-16 ID# 03577A

THE "JAN. 9, 1974 LAW IMPLEMENTING THE TREATY OF DEC. 19, 1967 BETWEEN THE FEDERAL REPUBLIC OF GERMANY AND THE REPUBLIC OF AUSTRIA ON THE EFFECTS OF THE LOCATION AND THE OPERATION OF THE SALZBURG AIRPORT ON THE SOVEREIGN TERRITORY OF THE FEDERAL REPUBLIC OF GERMANY" ADOPTS THE TREATY FOR THE FEDERAL REPUBLIC. THE TREATY, APPENDED TO THE LAW, PROVIDES FOR COOPERATION AND CONSULTATION BETWEEN FEDERAL GERMAN AND AUSTRIAN AUTHORITIES IN CERTAIN MATTERS REGARDING THE OPERATION OF THE AIRPORT. AMONG OTHER THINGS, GERMAN AUTHORITIES ARE TO BE CONSULTED BEFORE THE AIRPORT'S VARIOUS PERMITS TO OPERATE ARE ALTERED OR EXPANDED. IN THIS REGARD, AUSTRIA AGREES TO TAKE INTO CONSIDERATION GERMAN REQUIREMENTS IN THE AREAS OF LAND PLANNING, LAND USE, MUNICIPAL DEVELOPMENT AND NOISE PROTECTION. GERMAN NOISE PROTECTION INTERESTS WILL ALSO BE CONSIDERED BEFORE THE AIRPORT IS PERMITTED TO OPERATE BETWEEN 11 P.M. AND 6 A.M.

GREAT BRITAIN "FEBRUARY 13, 1976 CONTROL OF NOISE (MEASUREMENT AND REGISTERS) REGULATIONS." STATUTORY INSTRUMENTS. NO. 37. 1976

EPA

LR(A) ENGLISH 00/00/76 PGS 1-15 ID# 02482F

THESE REGULATIONS MAKE PROVISIONS, IN PURSUANCE OF SECTION 64(8) OF THE BRITISH CONTROL OF POLLUTION ACT 1974, WITH RESPECT TO THE METHODS TO BE USED BY LOCAL AUTHORITIES IN ENGLAND AND WALES WHEN MEASURING, AND, WHERE NECESSARY, CALCULATING, LEVELS OF NOISE FROM PREMISES OF ANY SPECIFIED CLASS IN A NOISE ABATEMENT ZONE. METHODS FOR GENERAL USE ARE DESCRIBED IN THE SCHEDULE TO THE REGULATIONS. THE SECRETARY OF STATE FOR THE ENVIRONMENT IS AUTHORIZED IN CERTAIN CIRCUMSTANCES TO DETERMINE SPECIAL METHODS FOR USE BY A LOCAL AUTHORITY. IN PURSUANCE OF SECTION 64(8)(B) REGULATION FIVE PROVIDES THAT CALCULATED NOISE LEVELS MAY BE TREATED AS MEASURED FOR THE PURPOSES OF PROVISIONS OF SECTION 64 WHICH RELATE TO THE MEASURING OF NOISE LEVELS AND THE RECORDING OF MEASUREMENTS IN A REGISTER. THE REGULATIONS ALSO MAKE PROVISIONS, IN PURSUANCE OF SECTION 64(2) OF THE ACT, WITH RESPECT TO THE KEEPING BY A LOCAL AUTHORITY OF THE NOISE LEVEL REGISTER IN WHICH MEASUREMENTS OF NOISE LEVELS AND OTHER PARTICULARS ARE REQUIRED TO BE RECORDED.

GREAT BRITAIN "CONTROL OF POLLUTION ACT. IMPLEMENTATION OF PART III - NOISE." DEPARTMENT OF THE ENVIRONMENT CIRCULAR 2/76
GREAT BRITAIN. DEPARTMENT OF THE ENVIRONMENT

EPA

LR(B) ENGLISH 02/27/76 PGS 1-45 ID# 02482G
ALSO PMB AND SE

THIS CIRCULAR, ISSUED JOINTLY BY THE BRITISH SECRETARY OF STATE FOR THE ENVIRONMENT AND THE SECRETARY OF STATE FOR WALES, SERVES AS AN INFORMATIVE AND EXPLANATORY GUIDE TO ASSIST LOCAL AUTHORITIES OF ENGLAND AND WALES IN IMPLEMENTING PART III OF THE CONTROL OF POLLUTION ACT AND ITS EXISTING REGULATIONS, I.E. THE CONTROL OF NOISE (APPEALS) REGULATIONS 1975, THE CONTROL OF NOISE (MEASUREMENT AND REGISTERS) REGULATIONS 1976 AND THE BRITISH STANDARDS INSTITUTION'S CODE OF PRACTICE FOR NOISE CONTROL ON CONSTRUCTION AND DEMOLITION SITES. CITING A PREFERENCE FOR PREVENTION RATHER THAN CURE OF NOISE POLLUTION, THE GUIDE EXPLAINS ECONOMIC RESOURCES, LIAISON ARRANGEMENTS, APPEALS, CODES OF PRACTICE, STATUTORY UNDERTAKERS, AND OTHER MEASURES TO BE EMPLOYED BY LOCAL AUTHORITIES TO CONTROL AMBIENT NOISE LEVELS AND, IN PARTICULAR, NOISE FROM FIXED PREMISES. APPENDIX ONE TO THE GUIDE IS A SUMMARY OF PROVISIONS RELEVANT TO PART III OF THE ACT. APPENDIX TWO GIVES DETAILED INSTRUCTIONS CONCERNING NOISE ABATEMENT ZONES.

NOISE

MEXICO

"NOISY VEHICLES WILL BE WITHDRAWN." EXCELSIOR
EPA
PM(B) SPANISH 12/09/75 PGS 1, 13 ID# 03597A
ALSO LRB

AS A RESULT OF A SURVEY SHOWING 51 PERCENT OF ALL MOTOR VEHICLES TESTED IN MEXICO CITY TO BE OPERATING AT LEVELS IN EXCESS OF THE MAXIMUM TOLERANCE OF 90 DECIBELS, THIS ARTICLE REPORTS THAT THE FEDERAL DISTRICT DEPARTMENT HAS ORDERED THE GENERAL DIRECTORATE OF POLICE AND TRANSPORT TO UNDERTAKE A CAMPAIGN IN THE CITY TO REMOVE FROM CIRULATION ALL MOTOR VEHICLES PRODUCING EXCESSIVE NOISE. DERIVING ITS AUTHORITY FROM THE ORGANIZATIONAL LAW OF THE FEDERAL DISTRICT DEPARTMENT, THE TRAFFIC REGULATIONS AND THE NOISE REGULATIONS, THE DIRECTORATE WILL MAKE NOISE LEVEL MEASUREMENTS AT APPROPRIATE POINTS IN THE CITY, AND IF AUTOMOBILES OR MOTORCYCLES EMIT MORE THAN 85 DECIBELS AND OTHER TYPES OF VEHICLES EMIT MORE THAN 90 DECIBELS, ONE OF THE LICENSE PLATES OF THE OFFENDING VEHICLE WILL BE REMOVED AND THE OWNER GIVEN 30 DAYS TO MAKE APPROPRIATE REPAIRS. IF REPAIRS ARE NOT EFFECTED WITHIN THIS PERIOD, THE OWNER IS SUBJECT TO A FINE OF 100 PESOS, AND HIS VEHICLE WILL BE REMOVED FROM CIRCULATION UNTIL REPAIRED.

PESTICIDES

SOUTH AFRICA

A GUIDE TO THE USE OF PESTICIDES AND FUNGICIDES IN SOUTH AFRICA, 1975
BOT, J., AND OTHERS
EPA
ST( ) ENGLISH 08/00/75 PGS 1-231 ID# 03556A
ALSO PNB

THIS GUIDE, PREPARED BY THE SOUTH AFRICAN PLANT PROTECTION RESEARCH INSTITUTE, IS PUBLISHED TWICE ANNUALLY (ONCE IN ENGLISH AND ONCE IN AFRIKAANS) AND PROVIDES THE GOVERNMENT AND THE PESTICIDE INDUSTRY WITH THE UP-TO-DATE INSTRUCTIONS ON THE APPROVED USE AND APPLICATION OF PESTICIDES. THE INTRODUCTION TO THE GUIDE SUMMARIZES PESTICIDE REGISTRATION AND LABELLING REQUIREMENTS, LISTS REGIONAL PESTICIDE CONTROL OFFICES, AND CONTAINS GENERAL INFORMATION ON THE FORMULATIONS, TOXICITY, SAFEGUARDS, TRANSPORT, STORAGE, APPLICATION AND DISPOSAL OF PESTICIDES. PART ONE OF THE GUIDE GIVES TABULATED INSTRUCTIONS CONCERNING THE CORRECT FORMULATIONS, DOSAGES, PERIODS AND METHODS OF APPLICATIONS OF PESTICIDES TO SPECIFIED PESTS AND CROPS. PART TWO GIVES INSTRUCTIONS FOR PESTICIDE APPLICATION IN THE HOME AND ON PREMISES. APPENDIXES TO THE GUIDE CONTAIN AN INDEX TO THE COMMON NAMES OF PESTICIDES, A LIST OF THE COMMON NAMES OF PESTS AND THE PLANTS THEY ATTACK, KEYS TO ACTIVE PESTICIDE INGREDIENTS, AND INFORMATION ON PESTICIDE MANUFACTURE.

RADIATION

SWEDEN "NUCLEAR POWER PLANTS - WE HAVE TO BUILD NUCLEAR WASTE INSTALLATION." SVENSKA DAGBLADET

PH(B) SWEDISH 02/15/76 PGS 20 EPA ID# 03600A
*SOLID WASTE

SWITZERLAND "RADIATION LEGISLATION CONSIDERED." JOURNAL DE GENEVE

LR(B) FRENCH 02/13/76 PGS 13 EPA ID# 03581A

ONE NATIONAL INITIATIVE, THREE CANTONAL INITIATIVES, AN AD HOC FEDERAL COMMISSION AND A COMMISSION FOR THE FORMULATION OF A COMPREHENSIVE ENERGY POLICY, ALL SUGGEST AN UPCOMING MODIFICATION OF SWISS LEGISLATION ON RADIATION PROTECTION. CHRISTOPHE BABAIANTZ, PRESIDENT OF THE BOARD OF DIRECTORS OF THE WESTERN SWITZERLAND ENERGY CO., RECENTLY EXAMINED CURRENT RADIATION LEGISLATION TO DEMONSTRATE ITS EFFECTIVENESS. CONSIDERED WERE THE 1957 ARTICLE 24 QUINQUIES OF THE FEDERAL CONSTITUTION EXTENDING THE CONFEDERATION'S JURISDICTION TO THE PEACEFUL USES OF ATOMIC ENERGY AND RADIATION PROTECTION, AND THE 1959 LAW IN PURSUANCE OF THIS AMENDMENT, CONTAINING SECURITY PROVISIONS WHICH THE CONFEDERATION OVERSEES AND WHICH ARE DESCRIBED AS STRINGENT BY MR. BABAIANTZ. THE AUTHOR, HOWEVER, QUESTIONS THE ADEQUACY OF THE AUTHORIZATION PROCEDURE WHICH, HE MAINTAINS, DEPRIVES THE LOCAL GOVERNMENTS OF POLICY ALTERNATIVES.

SOLID WASTE

AUSTRIA "YEARLY MOUNTAIN OF WASTE OUTSHINES CHEOPS PYRAMID." DIE PRESSE

PH(B) GERMAN 02/13/76 PGS 17 EPA ID# 03591A

A STUDY OF THE DISTRIBUTION AND COMPOSITION OF HOUSEHOLD WASTES IN AUSTRIA WAS CARRIED OUT BY INVESTIGATORS AT THE ECONOMIC UNIVERSITY IN VIENNA. THE RESULTS OF THE STUDY WILL BE USED AS A BASIS FOR PLANNING. RESEARCHERS WERE ESPECIALLY INTERESTED IN HOW MUCH WASTE COULD POTENTIALLY BE RECYCLED. THEY FOUND THAT ONE-THIRD OF THE HOUSEHOLD WASTES SAMPLED CONSISTED OF PAPER AND CARDBOARD, 11 PERCENT OF GLASS, AND 6 PERCENT OF SYNTHETIC MATERIALS. ONE-HALF OF ALL DOMESTIC WASTE WAS MADE UP OF PACKAGING MATERIALS. MORE WASTE PER PERSON WAS DISCARDED EACH YEAR IN LARGE CITIES THAN IN SMALL COMMUNITIES. FURTHER STUDIES ARE NOW PLANNED TO LEARN IF HOUSEWIVES WOULD BE WILLING TO PRESORT RESIDENTIAL WASTES AND TO EVALUATE A PROGRAM OF SEPARATE COLLECTION FOR GLASS, PAPER AND SYNTHETICS AT 16 LOCATIONS IN VIENNA.

FINLAND

PH(B) "PROBLEM WASTE IS NOT THE GOVERNMENT'S PROBLEM." HUFVUDSTADSBLADET
SWEDISH 01/30/76 PGS 9 EPA ID# 03585A
WATER

THE WATER BOARD HAS REJECTED A PROPOSAL TO BUILD A GOVERNMENT INSTALLATION FOR THE CENTRAL PROCESSING OF PROBLEM WASTE. ACCORDING TO THIS ARTICLE. THE BOARD FEELS THAT APART FROM BEING TOO EXPENSIVE IT WOULD ALSO CREATE A TEMPTATION FOR INDUSTRY NOT TO SOLVE ITS OWN WASTE PROBLEMS. FOR WHICH IT SHOULD BE HELD RESPONSIBLE. THE BOARD DOES. HOWEVER. URGE A CONTINUOUS INVESTIGATION INTO THE DISPOSAL AND TREATMENT OF PROBLEM WASTE. WHICH IS CLASSIFIED AS HARD TO DISSOLVE OR HARMFUL TO THE ENVIRONMENT. A SURVEY OF THE CAPACITY OF EXISTING FINNISH AND SCANDINAVIAN WASTE TREATMENT PLANTS AS WELL AS AN ORGANISATION TO PROMOTE RAPID TREATMENT OF OIL AND OIL WASTE WOULD BE USEFUL. AT PRESENT. MOST OF THE PROBLEM WASTE IS DUMPED OR ENDS UP IN WATERCOURSES.

FRANCE

LR(B) "CONSIDERING THE LEGISLATIVE AND REGULATORY ACTIVITY OF THE MINISTRY FOR THE QUALITY OF LIFE." NUISANCES ET ENVIRONNEMENT. NO. 47
CATHALA. R.. AND OTHERS
FRENCH 01/00/76 PGS 51-54 EPA ID# 03573A
*WATER AIR NOISE

GERMANY.FED REP OF

LR(B) "'SPECIAL WASTES' -- THE MOST POISONOUS CHAPTER OF ENVIRONMENTAL PROTECTION."
FRANKFURTER ALLGEMEINE ZEITUNG
GERMAN 02/12/76 PGS 5 EPA ID# 03578A

THE FEDERAL DIET IS PREPARING TO PASS AN AMENDMENT TO THE 1972 LAW ON THE DISPOSAL OF WASTES WHICH WILL PROVIDE FOR REMOVAL OF "SPECIAL WASTES." THE AMENDMENT IS INTENDED TO CORRECT EXISTING DEFICIENCIES IN THE REMOVAL OF TOXIC OR ENVIRONMENTALLY HARMFUL WASTES. IMPROVE SUPERVISION OF WASTES. AND EXPEDITE ADMINISTRATIVE PROCEDURES FOR SPECIAL FACILITIES DISPOSING OF DANGEROUS WASTES. CONCERNS IN WHICH DANGEROUS WASTES ARE PRODUCED WILL BE REQUIRED TO HIRE A SPECIAL EMPLOYEE RESPONSIBLE FOR THE WASTES. THE FEDERAL GOVERNMENT MAY ISSUE ORDINANCES DEFINING "SPECIAL WASTES" AND ESTABLISHING MINIMUM REQUIREMENTS FOR THEIR DISPOSAL. PENALTIES FOR VIOLATION OF THE LAW ARE INCREASED IN STRINGENCY. THE AMENDMENT IS TO TAKE EFFECT IN 1977.

GREAT BRITAIN

"CONTROL OF POLLUTION ACT 1974 - PART I (WASTE ON LAND) COMMENCEMENT ORDER NO. 4." DEPARTMENT OF THE ENVIRONMENT CIRCULAR 1/76
GREAT BRITAIN. DEPARTMENT OF THE ENVIRONMENT EPA
LR(B) ENGLISH 01/02/76 PGS 1-5 ID# 02482J

THIS JOINT CIRCULAR OF THE BRITISH DEPARTMENT OF THE ENVIRONMENT AND THE WELSH OFFICE DESIGNATES AND EXPLAINS THOSE PROVISIONS OF PART I OF THE CONTROL OF POLLUTION ACT APPLICABLE TO ENGLAND AND WALES CONCERNING WASTES ON LAND, WHICH WERE BROUGHT INTO EFFECT ON JANUARY 1, 1976 BY THE CONTROL OF POLLUTION COMMENCEMENT ORDER NO. 4. DESPITE HOPES TO BRING ALL PROVISIONS OF PART I AND THE PERTINENT PROVISIONS OF PART V AND VI INTO FORCE BY THE END OF 1975, THE PRESENT NEED FOR A STANDSTILL IN LOCAL EXPENDITURE HAS RESULTED IN THE ENACTMENT ONLY OF THOSE PROVISIONS LISTED IN ANNEX ONE OF THE CIRCULAR, WHICH DO NOT INVOLVE ADDITIONAL LOCAL EXPENDITURE. AMONG THESE PROVISIONS ARE INCLUDED SECTIONS OF THE ACT CONCERNING ADMINISTRATIVE JURISDICTIONS AND POWERS OF LOCAL AUTHORITIES, SPECIAL WASTES, RECLAMATION ACTIVITY, APPEALS, PENALTIES AND OTHER LEGAL PROCEDURES. THE CIRCULAR ALSO COMMENTS ON THE GOVERNMENT'S PLANS AND TIMETABLES FOR IMPLEMENTING REMAINING PROVISIONS OF PART I INVOLVING LICENSING, SURVEYS, AND DISPOSAL PLANNING.

IRELAND

REPORT OF THE WORKING PARTY ON SOLID WASTE DISPOSAL: PART I
IRELAND. AN FORAS FORBARTHA EPA
PH(B) ENGLISH 11/00/74 PGS 1-30 ID# 03614A

THIS REPORT, PREPARED BY A WORKING PARTY WITHIN THE PLANNING DIVISION OF AN FORAS FORBARTHA (ENVIRONMENTAL RESEARCH AND ADVISORY BODY), PRESENTS THE INFORMATION COLLECTED DURING AN INVESTIGATION OF THE QUESTION OF SOLID WASTE AND THE PROBLEMS OF ITS DISPOSAL IN IRELAND. CONSIDERED BY THE WORKING PARTY WERE: THE MAJOR COMPONENTS OF WASTE, PARTICULARLY HOUSEHOLD AND TRADE REFUSE; OPTIONS IN THE DISPOSAL OF SUCH WASTE; AND POSSIBLE GOVERNMENT INVOLVEMENT AND LEGISLATION IN THE AREA OF WASTE DISPOSAL. A BRIEF BIBLIOGRAPHY IS APPENDED TO THE REPORT.

SOUTH AFRICA

A SURVEY OF LITTER IN SOUTH AFRICA
HEYL, L.J., AND OTHERS EPA
PH(B) ENGLISH 01/00/75 PGS 1-50 ID# 03680A
ALSO SE

SPONSORED BY THE "KEEP SOUTH AFRICA TIDY" GROUP AND CARRIED OUT BY THE DEPARTMENT OF PLANNING AND ENVIRONMENT, THIS SURVEY PROVIDES BASIC DATA FOR USE IN THE FORMULATION OF ANTI-LITTER MEASURES IN SOUTH AFRICA. LITTER, DEFINED AS ANY SOLID WASTE DEPOSITED BY PEOPLE IN PUBLIC PLACES RATHER THAN IN APPROPRIATE RECEPTACLES, WAS FOUND TO CONSIST OF 55 PERCENT NON-PACKAGING MATERIALS AND 45 PERCENT PACKAGING MATERIALS. PAPER (MOSTLY NEWSPAPERS) BEING THE MOST COMMON LITTER MATERIAL FOLLOWED BY PLASTICS, METAL AND GLASS. BEVERAGE CONTAINERS, CANS, PAPER CARTONS AND CONTAINER TOPS COMPRISED 9 PERCENT OF ALL LITTER. THE TOTAL COST OF LITTER REMOVAL AND DISPOSAL SERVICES IN SOUTH AFRICA IS ESTIMATED AT 11 MILLION RAND PER ANNUM, WITH AN ANNUAL GROWTH RATE OF 10 PERCENT. THE SURVEY CONCLUDES THAT REVISED METHODS COULD INCREASE EFFICIENCY IN LITTER CONTROL. SEVERAL TABLES AND APPENDIXES ILLUSTRATE THE TEXT OF THE SURVEY.

SOLID WASTE

SOUTH AFRICA — A SURVEY OF LITTER IN SOUTH AFRICA: SUPPLEMENTARY REPORT
V. BROOKS, G. R. DE — EPA
PM(8) — ENGLISH — 07/00/75 — PGS 1-12 — ID# 03660B

THIS REPORT, PUBLISHED BY THE SOUTH AFRICAN COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, WAS ISSUED AS A SUPPLEMENT TO THE ORIGINAL SURVEY ON LITTER IN SOUTH AFRICA IN ORDER TO COMPARE DATA ON THE OCCURRENCE OF LITTER AT A DIFFERENT SEASON OF THE YEAR. THE ORIGINAL SURVEY WAS PREPARED IN AUGUST AND SEPTEMBER OF 1974, AND THE SUPPLEMENTAL REPORT WAS PREPARED DURING FEBRUARY OF 1975. CONCLUSIONS IN THE SUPPLEMENTARY REPORT INDICATE THAT SEASONAL CHANGES HAVE AN EFFECT ON THE AMOUNT AND COMPOSITION OF LITTER. THE SIGNIFICANT FACTOR IN THIS PARTICULAR CASE BEING A LARGE AMOUNT OF RAINFALL DURING THE FEBRUARY SURVEY, WHICH SERVED TO HASTEN THE DECOMPOSITION OF LITTER PAPER. IN COMPARISON WITH THE AUGUST/SEPTEMBER SURVEY, THE FEBRUARY SURVEY SHOWED AN INCREASE IN THE PERCENTAGE OF LITTER COMPRISED OF BEVERAGE PACKAGING, AND THE MOST COMMON LITTER CATEGORY AT THIS TIME OF YEAR WAS FOUND TO BE BROWN PAPER AND CARDBOARD (19 PERCENT OF ALL LITTER) FOLLOWED BY NEWSPAPERS AND MAGAZINES (13 PERCENT OF ALL LITTER).

SWEDEN — "NUCLEAR POWER PLANTS - WE HAVE TO BUILD NUCLEAR WASTE INSTALLATION." SVENSKA DAGBLADET
EPA
PM(8) — SWEDISH — 02/15/76 — PGS 20 — ID# 03600A
RADIATION

WASTE FROM SWEDISH NUCLEAR POWER PLANTS IS CURRENTLY BEING SENT TO ENGLAND DUE TO LACK OF APPROPRIATE FACILITIES WITHIN THE COUNTRY. IT IS REPORTED IN THIS ARTICLE. IT IS FELT THAT THE COUNTRY SHOULD NOT COUNT ON FOREIGN AID IN THIS RESPECT INDEFINITELY. A SWEDISH INSTALLATION WOULD COST BETWEEN 3 1/2 AND 10 BILLION SWEDISH KRONER TO BUILD AND WOULD ENTAIL LOWERING THE RADIOACTIVE MATERIAL, ENCASED IN GLASS AND CONCRETE, 600 TO 700 METERS INTO PRIMITIVE ROCKS. (THIS PROBLEM, AS WELL AS THE PRESENT SWEDISH URANIUM SITUATION, ARE ALSO DISCUSSED IN THE ARTICLE "11,000 TONS URANIUM NEEDED - NO ROOM FOR THE DISPOSAL OF WASTE," IN SVENSKA DAGBLADET, JANUARY 10, 1976, P. 9, WHICH IS ATTACHED.)

SWITZERLAND — "649 CENTRAL SEWAGE PURIFICATION FACILITIES. A STOCKTAKING OF WATER PROTECTION AND WASTE REMOVAL." NEUE ZUERCHER ZEITUNG
EPA
PM(8) — GERMAN — 04/07/76 — PGS 32 — ID# 03607A
+WATER

BELGIUM "TOXIC WASTES: TAXPAYER PENALIZED INSTEAD OF POLLUTER, SAYS MR. GLINNE."
LE SOIR

LR(B) FRENCH 02/22/76 PGS 2 EPA ID# 03611A

BELGIAN PARLIAMENT MEMBER AND FORMER MINISTER OF EMPLOYMENT, ERNEST GLINNE, HAS CALLED FOR A CHAMBER INTERPELLATION ON THE PROBLEM OF TOXIC WASTES. THE CROWN DECREE RESPONSIBLE FOR THE GENERAL REGULATION OF TOXIC WASTES IS INADEQUATE IN HIS OPINION, FAILING TO BRING PERMANENT SOLUTIONS. MR. GLINNE EXAMINES ALL OF THE ASPECTS OF THE PROBLEM IN THIS ARTICLE, REVIEWING THE 1972 SCANDAL LEADING UP TO THE DEVELOPMENT OF A BILL ON TOXIC WASTES, THE REASONS FOR SUBSEQUENT DELAYS IN ITS ACCEPTANCE BY PARLIAMENT, AND THE MODIFICATIONS MADE TO THE ORIGINAL BILL. ALSO DISCUSSED ARE THE PUBLIC INITIATIVE CLAUSE CONCERNING THE DESTRUCTION OF RESIDUES, THE LIST OF TOXIC SUBSTANCES, AND THE POLLUTER PAYS PRINCIPLE.

DENMARK ACT NO. 312 OF JUNE 26, 1975 AMENDING ACT NO. 290 OF JUNE 7, 1972 ON MEASURES AGAINST POLLUTION OF THE SEA BY SUBSTANCES OTHER THAN OIL

LR(A) DANISH 06/26/75 PGS 1-2 EPA ID# 01449B
*WATER

SWEDEN "SOME ASPECTS OF THE MERCURY PROBLEM." IVL - SWEDISH WATER AND AIR POLLUTION RESEARCH LABORATORY
JERNELOV, ARNE

PM(B) ENGLISH 09/00/74 PGS 1-13 EPA ID# 03616A
ALSO ST
*WATER

SWEDEN "EFFECTS OF ACID RAIN." CURRENT SWEDEN - ENVIRONMENT PLANNING AND CONSERVATION NO. 62
ENNELIN, LARS

ST( ) ENGLISH 03/00/76 PGS 1-6 EPA ID# 03592A
*AIR

WATER

CANADA — WATER POLLUTION CONTROL DIRECTORATE PUBLICATIONS
CANADA. ENVIRONMENT CANADA — EPA
PM(B) — ENGLISH* — 06/00/75 PGS 1-21 — ID# 03558A
*ALSO FRENCH

THE BIBLIOGRAPHY, COMPILED BY THE WATER POLLUTION CONTROL DIRECTORATE (WPCD), LISTS: 1) WPCD TECHNICAL REPORTS INCLUDED IN THE ENVIRONMENT PROTECTION SERVICE (EPS) REPORT SERIES, 2) COPIES OF CONFERENCE PAPERS, SPEECHES AND REPRINTS OF PAPERS PREPARED FOR TECHNICAL AND SCIENTIFIC JOURNALS BY WPCD PROFESSIONAL STAFF, AND 3) REPORTS ISSUED JOINTLY BY ENVIRONMENT CANADA AND THE ONTARIO MINISTRY OF THE ENVIRONMENT UNDER THE CANADA-ONTARIO AGREEMENT ON GREAT LAKES WATER QUALITY. CATEGORIES OF EPS REPORTS INCLUDE: 1) REGULATIONS, CODES AND PROTOCOLS, 2) POLICY AND PLANNING, 3) ECONOMIC AND TECHNICAL REVIEWS, 4) TECHNOLOGY DEVELOPMENTS, 5) MONITORING REPORTS, 6) TRAINING MANUALS, 7) BRIEFS AND SUBMISSIONS TO PUBLIC INQUIRIES, AND 8) ENVIRONMENT IMPACT AND ASSESSMENT. BRIEF SUMMARIES OF EACH PUBLICATION ARE INCLUDED. THE BOOKLET IS IN BOTH ENGLISH AND FRENCH.

CANADA — SELECTED BIBLIOGRAPHY ON OZONE DISINFECTION. RESEARCH REPORT NO. 29
NETZER, A., AND H.K. MIYAMOTO — EPA
ST( ) — ENGLISH — 02/00/76 PGS 1-62 — ID# 03562A

A SELECTED BIBLIOGRAPHY ON OZONE DISINFECTION, A PROCESS WHICH HAS BEEN IN USE SINCE THE BEGINNING OF THE CENTURY TO DISINFECT DRINKING WATER AND WHICH IS RECENTLY BECOMING MORE ECONOMICALLY ATTRACTIVE BECAUSE OF LOWER INSTALLATION AND OPERATING COSTS, HAS BEEN COMPILED IN THIS PAMPHLET. REFERENCES ARE LISTED IN ALPHABETICAL ORDER AND A SUBJECT-AUTHOR INDEX IS INCLUDED FOR THE GUIDANCE OF THE USER. (THIS PUBLICATION WAS PRODUCED UNDER THE RESEARCH PROGRAM FOR THE ABATEMENT OF MUNICIPAL POLLUTION WITHIN THE PROVISIONS OF THE CANADA-ONTARIO AGREEMENT ON GREAT LAKES WATER QUALITY.)

COMECON — "ENVIRONMENTAL PROTECTION CONFERENCE IN POTSDAM CONCLUDED." NEUES DEUTSCHLAND
EPA
PM(B) — GERMAN — 10/17/75 PGS 2 — ID# 03564A
*AIR

WATER

DENMARK — ACT NO. 312 OF JUNE 26, 1975 AMENDING ACT NO. 290 OF JUNE 7, 1972 ON MEASURES AGAINST POLLUTION OF THE SEA BY SUBSTANCES OTHER THAN OIL

EPA

LR(A) — DANISH — 06/26/75 — PGS 1-2 — ID# 014498

TOXIC SUBS

THIS ACT AMENDS ACT NO. 290 OF JUNE 7, 1972 SO THAT ITS STIPULATIONS APPLY NOT ONLY TO DENMARK BUT ALSO TO THE FAROE ISLANDS. IT AUTHORIZES THE MINISTER FOR THE ENVIRONMENT, OR THE PERSON HE DELEGATES, TO GRANT EXCEPTIONS TO DUMPING INSIDE THE BALTIC AREA, PROHIBITED IN #3 OF ACT NO. 290, IF THE MATERIAL BEING DUMPED HAS BEEN TAKEN FROM THE BOTTOM OF THE SEA AND DOES NOT CONTAIN CONSIDERABLE AMOUNTS OF CERTAIN SUBSTANCES, INCLUDING CADMIUM, MERCURY AND THEIR COMPONENTS, DDT AND PCB, WHICH ARE LISTED IN AN ADDITIONAL APPENDIX. OUTSIDE THE BALTIC AREA, THE MINISTER FOR THE ENVIRONMENT, OR THE PERSON HE DELEGATES, MAY AUTHORIZE DUMPING REGARDLESS OF THE PROHIBITIONS IN #3 AND #4 OF ACT NO. 290. THE FAROESE AUTHORITIES HAVE TO GRANT PERMISSION FOR DUMPING WITHIN FAROESE WATERS.

DENMARK — BEKENDTGORELSE OM VASKE- OG RENGORINGSMIDLERS NEDBRYDELIGHED (JUNE 27, 1975 ORDER NO. 347 ON THE DEGRADABILITY OF DETERGENTS)

EPA

LR(A) — DANISH — 06/27/75 — PGS 1-10 — ID# 017420

THESE REGULATIONS STATE THAT DETERGENTS WHICH CONTAIN CERTAIN STIPULATED SUBSTANCES AND WHOSE AVERAGE BIOLOGICAL DEGRADABILITY IS LESS THAN 90 PERCENT MAY NOT BE IMPORTED OR USED IN DENMARK. PACKAGES CONTAINING DETERGENTS, OR AN ACCOMPANYING DOCUMENT, IF THE DETERGENT IS SOLD IN BULK, MUST STATE THE PRODUCT'S NAME AND THE NAME AND ADDRESS OF THE REPRESENTATIVE RESPONSIBLE FOR THE MARKETING OF THE PRODUCT. CONTROL WILL BE ENFORCED BY THE ENVIRONMENTAL PROTECTION AGENCY AND TESTS WILL BE CONDUCTED ACCORDING TO EC AND OECD APPROVED ANALYTICAL METHODS, WHICH ARE APPENDED. IMPORTERS, FACTORY OWNERS AND DEALERS MUST SUPPLY REQUIRED INFORMATION AND SUBMIT TO THE TESTING OF THEIR PRODUCTS OR FACILITIES. FAILURE TO COMPLY WITH THESE RULES IS PUNISHABLE BY FINES OR IMPRISONMENT. IF A BAN IS ISSUED AGAINST A DETERGENT FROM AN EC MEMBER COUNTRY, THE EC COMMISSION AS WELL AS THE COUNTRY OF ORIGIN MUST BE NOTIFIED. APPEALS SHOULD BE DIRECTED TO THE MINISTER FOR THE ENVIRONMENT WITHIN FOUR WEEKS OF NOTIFICATION.

DENMARK — "WE ARE SUPPOSED TO TAKE CARE OF NORWEGIAN OIL WASTE." BERLINGSKE TIDENDE

EPA

PH(B) — DANISH — 01/29/76 — PGS (1) 7 — ID# 03586A

DENMARK DOES NOT WANT TO BE HELD FORMALLY RESPONSIBLE FOR EXPENSES AND PLANNING IN CONNECTION WITH OIL POLLUTION FROM NORWEGIAN DRILLING PLATFORMS IN THE NORTH SEA. THE ENVIRONMENTAL PROTECTION AGENCY HAS THEREFORE, ACCORDING TO THIS ARTICLE, TURNED TO THE MINISTRY FOR FOREIGN AFFAIRS TO SOLVE THE PROBLEM. THE PARTITIONING OF THE NORTH SEA IN PURSUANCE OF A 1969 AGREEMENT ON THE COMBATING OF OIL POLLUTION IN THIS AREA DOES NOT CORRESPOND TO THE ENSUING DIVISION OF THE CONTINENTAL SHELF. DENMARK WOULD, AT THE PRESENT TIME, BE HELD RESPONSIBLE FOR OIL POLLUTION ORIGINATING FROM A NORWEGIAN DRILLING PLATFORM SITUATED ON THE NORWEGIAN CONTINENTAL SHELF BECAUSE, ACCORDING TO THE OLD NORTH SEA DIVISION, THIS WOULD STILL BE CONSIDERED DANISH TERRITORY.

EUROPEAN COMMUNITIES "THE EC WANTS COMMON LEGISLATION AGAINST POLLUTION OF THE SEA." AFTENPOSTEN
EPA
PH(B) NORWEGIAN 01/15/76 PGS 8 ID# 03595A

THE EUROPEAN COMMISSION HAS URGED THE NINE EC COUNTRIES TO CONSIDER COMMON LEGISLATION IN PURSUANCE OF THE OSLO CONVENTION OF 1972 IN ORDER TO PREVENT POLLUTION OF THE SEA BY DUMPING. ACCORDING TO THIS ARTICLE. IF ONLY DENMARK, THE NETHERLANDS, FRANCE AND GREAT BRITAIN, WHICH HAVE RATIFIED THE CONVENTION, ENFORCE ITS REGULATIONS, IT MAY LEAD TO ECONOMIC AND COMMERCIAL IMBALANCE BETWEEN THE MEMBER COUNTRIES. THE COMMISSION SUGGESTS THAT CERTAIN SUBSTANCES BE BANNED COMPLETELY AND THAT OTHERS REQUIRE SPECIAL PERMISSION TO BE DUMPED. THE PROPOSAL IS BASED ON A 1973 ENVIRONMENTAL COMMON ACTION PROGRAM WHICH WAS APPROVED BY THE NINE GOVERNMENTS. IT HAS SO FAR RESULTED IN A BAN ON DUMPING OF DANGEROUS SUBSTANCES ALONG THE COASTAL WATERS AND ESPECIALLY BEACHES OF THE MEMBER COUNTRIES.

FINLAND 2PROBLEM WASTE IS NOT THE GOVERNMENT'S PROBLEM." HUFVUDSTADSBLADET
EPA
PH(B) SWEDISH 01/30/76 PGS 9 ID# 03568A
*SOLID WASTE

FRANCE "SEPTEMBER 12, 1973 AMENDMENT OF THE RULES GOVERNING THE INSTALLATION AND OPERATION OF PLANTS FOR THE TREATMENT OF UNREFINED OIL AND ITS DERIVATIVES." JOURNAL OFFICIEL
EPA
LR(A) FRENCH 09/22/73 PGS 10291-93 ID# 03555A

THIS DECREE, ISSUED BY THE MINISTER OF INDUSTRIAL AND SCIENTIFIC DEVELOPMENT ON SEPTEMBER 12, 1973, SETS FORTH THE RESTRICTIONS TO WHICH THE USE AND DISCHARGE OF WATER BY NEW REFINERIES ARE TO BE SUBJECTED AS OF OCTOBER 1, 1973. RESTRICTIONS CONCERN THE INCINERATION OF WASTE GASES, THE DISCHARGE OF EFFLUENTS, AND SEWERAGE FACILITIES.

FRANCE "SEPTEMBER 12, 1973 CIRCULAR ON MEASURES TO BE TAKEN IN EXISTING OIL REFINERIES TO REDUCE WATER POLLUTION." JOURNAL OFFICIEL
EPA
LR(A) FRENCH 09/22/73 PGS 10293 ID# 03555B

THIS CIRCULAR, ISSUED BY THE MINISTER FOR THE PROTECTION OF NATURE AND THE ENVIRONMENT TO DEPARTMENT PREFECTS, CHIEF ENGINEERS OF MINES AND MINEROLOGICAL DISTRICT CHIEFS, SETS FORTH A PROPOSED PROGRAM OF GRADUAL POLLUTION REDUCTION FOR EXISTING OIL REFINING INSTALLATIONS. PREFECTS AND CHIEFS ARE DIRECTED TO CARRY OUT THE INSTRUCTIONS WHICH ARE TO BE FORMULATED WITH REGARD TO EXISTING ESTABLISHMENTS AND TO ACT AS INSPECTORS AND OVERSEE THE IMPLEMENTATION OF THE RESTRICTIONS CONTAINED IN THE SEPTEMBER 12 DECREE PERTAINING TO NEW ESTABLISHMENTS.

FRANCE

"CONSIDERING THE LEGISLATIVE AND REGULATORY ACTIVITY OF THE MINISTRY FOR THE QUALITY OF LIFE." NUISANCES ET ENVIRONNEMENT, NO. 47
CATHALA, R., AND OTHERS

LR(B) FRENCH 01/00/76 PGS 51-54 EPA ID# 03573A
AIR NOISE SOLID WASTE

THIS ARTICLE REVIEWS THE PAST LEGISLATIVE AND REGULATORY ACTIVITY OF THE FRENCH MINISTRY FOR THE QUALITY OF LIFE IN THE FOLLOWING AREAS OF THE ENVIRONMENT: WATER, AIR, NOISE, AND WASTES. ALSO EXAMINED BY THE AUTHORS ARE THE ENVIRONMENTAL BILLS WHICH HAVE RECENTLY BEEN DRAFTED BY THE MINISTRY FOR PARLIAMENTARY APPROVAL. THESE INCLUDE AN AMENDMENT OF THE 1917 LAW ON CLASSIFIED ESTABLISHMENTS AND A DRAFT LAW ON THE PROTECTION OF NATURE. CONSIDERATION IS GIVEN TO THE AREAS OF THE LAWS WHICH COULD BE IMPROVED UPON TO PROVIDE GREATER EFFECTIVENESS. A FINAL SECTION OF THE ARTICLE COMMENTS ON THE DOMINANT RECURRENT THEMES AND GENERAL EVOLUTION OF THE MINISTRY'S POLICY.

FRANCE

"OCTOBER 1, 1975 CIRCULAR ON LITTORAL PURIFICATION FACILITIES AND EFFLUENT DISCHARGE AT SEA." JOURNAL OFFICIEL

LR(A) FRENCH 12/06/75 PGS 12432-33 EPA ID# 03615A

THIS CIRCULAR, ISSUED BY THE CONCERNED MINISTERS TO DEPARTMENT PREFECTS, DESIGNATES THE PRINCIPAL PROVISIONS WITH WHICH LITTORAL PURIFICATION FACILITIES MUST COMPLY AND PROVIDES ADMINISTRATIVE SERVICES WITH INSTRUCTIONS FOR THE IMPLEMENTATION OF PROVISIONS DEALING WITH THE AUTHORIZATION OF DISCHARGES AT SEA, PARTICULARLY IN THOSE MARINE ZONES REGARDED AS SENSITIVE. PROVISIONAL WATER QUALITY PARAMETERS FOR BATHING AND SHELLFISH BREEDING PURPOSES ARE PROVIDED IN AN APPENDIX.

FRANCE

"INCREASES IN SUBSIDIES FOR INDUSTRY." NUISANCES ET ENVIRONNEMENT, NO. 47

SE( ) FRENCH 01/00/76 PGS 13 EPA ID# 03572A

ACCORDING TO A RECENT DECISION OF THE FRENCH ARTOIS-PICARDIE RIVER BASIN COMMITTEE, INDUSTRIES ARE HENCEFORTH TO BE ELIGIBLE FOR SUBSIDIES OF UP TO 65 PERCENT OF THEIR INVESTMENTS IN WASTE WATER PURIFICATION FACILITIES AND IN NON-POLLUTING PROCESSES OF PRODUCTION. SUBSIDIES FOR PURIFICATION FACILITIES, HOWEVER, ARE TO BE CONTINGENT ON THE SUBSEQUENT OPERATIONAL MODE OF THESE INSTALLATIONS. SINCE MANY EARLIER SUCH FACILITIES CEASED OPERATIONS AFTER BEING INSTALLED. TO REMEDY THIS SITUATION, THE BASIN AGENCY IS CREATING A TECHNICAL ASSISTANCE SERVICE IN EACH DEPARTMENT FOR THE BENEFIT OF BOTH MUNICIPALITIES AND INDUSTRY. THE NEW SERVICES AND HIGHER COST OF LIVING EXPENSES ARE EXPECTED TO RESULT IN INCREASED POLLUTER FEES FOR INDUSTRIAL AND URBAN DISCHARGES.

GERMAN DEM REP "EQUIPPED WITH EFFECTIVE MEASURES FOR OIL DAMAGES." NEUES DEUTSCHLAND
EILING, ROLF EPA
PM(B) GERMAN 10/25/75 PGS 12 ID# 03584A

THE ARTICLE SUMMARIZES CERTAIN LEGAL AND TECHNICAL MEASURES IN THE GERMAN DEMOCRATIC REPUBLIC (GDR) TO PREVENT OR REDUCE OIL DAMAGE TO WATER AFTER AN ACCIDENT. IT DESCRIBES VARIOUS PROCEDURES TO CLEAN UP OIL POLLUTION OF THE SOIL, GROUNDWATER, SURFACE WATER, AND BEACH AREAS. IT ALSO DISCUSSES SOME RESEARCH AND DEVELOPMENT WORK IN THE GDR RELATING TO THE PROBLEM. A REVIEW OF STATISTICS ON OIL ACCIDENTS IN THE GDR REVEALS THAT OIL POLLUTION MOST OFTEN OCCURS AS A RESULT OF LEAKING STORAGE CONTAINERS OR ACCIDENTS DURING THE TRANSPORT OR LOADING AND UNLOADING OF OIL. LEGAL PRESCRIPTIONS TO PROTECT WATER FROM OIL DAMAGE HAVE EXISTED IN THE GDR SINCE THE 1950'S. MORE RECENT IMPORTANT LEGISLATION INCLUDES THE WATER LAW, THE LAND USE LAW, AND THE FEB. 19, 1969 ORDINANCE ON THE PREVENTION AND COMBATING OF OIL DAMAGE TO WATER.

GERMANY,FED REP OF "THE SEWAGE FEE LAW WILL HAVE TO WAIT A LITTLE LONGER." UMWELT: FORSCHUNG, GESTALTUNG, SCHUTZ, NO. 2
FRIDRICH, BERND-DIETER EPA
LR(B) GERMAN 04/00/76 PGS 73 ID# 03561A

PASSAGE OF A SEWAGE FEE LAW IN THE FEDERAL REPUBLIC WILL HAVE TO WAIT UNTIL ANOTHER LEGISLATIVE PERIOD, ACCORDING TO THIS ARTICLE. FOR SEVERAL YEARS, THE FEDERAL GOVERNMENT HAS ADVOCATED PASSAGE OF LEGISLATION IMPOSING A FEE ON POLLUTERS OF WATER, THE PROCEEDS OF WHICH WOULD BE USED TO FINANCE NEEDED PURIFICATION INSTALLATIONS. A LEVY OF 25 MARKS PER YEAR PER POLLUTING ENTITY UNTIL 1980, WHEN THE FEE WOULD GO UP TO 40 MARKS, HAS BEEN SUGGESTED. HOWEVER SEVERAL PROBLEMS WILL HAVE TO BE RESOLVED BEFORE THE LAW CAN BE PASSED. IN QUESTION ARE THE SPECIFIC BASES FOR ASSESSING THE FEE IN INDIVIDUAL CASES, LEGITIMATE USES OF FUNDS FROM THE FEE, AND THE JUSTIFIABILITY OF CONTINUING THE FEE WHEN THE STATE OF SEWAGE PURIFICATION HAS REACHED ITS TECHNOLOGICAL LIMITS. THERE IS ALSO SOME QUESTION AS TO WHETHER THE FEE COULD BE ADMINISTERED WITH ONLY FEDERAL FRAMEWORK LEGISLATIVE COMPETENCE IN THE AREA OF WATER MANAGEMENT.

GERMANY,FED REP OF "MARCH 19, 1975 LAW IMPLEMENTING THE INTERNATIONAL CONVENTION ON CIVIL LIABILITY FOR OIL POLLUTION DAMAGE AND ON AN INTERNATIONAL FUND." BUNDESGESETZBLATT, VOL. II EPA
LR(A) GERMAN 03/21/75 PGS 301-304 ID# 03582A

PART 1 OF THIS "MARCH 18, 1975 LAW TO THE INTERNATIONAL CONVENTIONS OF NOVEMBER 29, 1969 ON CIVIL LIABILITY FOR OIL POLLUTION DAMAGE AND OF DECEMBER 18, 1971 ON THE ESTABLISHMENT OF AN INTERNATIONAL FUND FOR COMPENSATION FOR OIL POLLUTION DAMAGE." ASSENTS TO THE TWO CONVENTIONS FOR THE FEDERAL REPUBLIC OF GERMANY. PART 2 OF THE LAW CONTAINS PROVISIONS FOR THE IMPLEMENTATION OF THE 1969 CONVENTION. IT STATES THAT FEDERAL AUTHORITIES WILL ISSUE A CERTIFICATE ATTESTING TO THE EXISTENCE OF INSURANCE OR OTHER FINANCIAL SECURITY FOR OIL POLLUTION DAMAGE, AS REQUIRED BY THE CONVENTION. TO APPLICANT OWNERS OF SHIPS THAT CARRY MORE THAN 2,000 TONS OF BULK OIL AS CARGO. PART 3 CONSISTS OF PRESCRIPTIONS FOR THE IMPLEMENTATION OF THE 1971 CONVENTION. IT REQUIRES THOSE RECEIVING OILS SUBJECT TO A LEVY FOR THE INTERNATIONAL FUND TO REPORT DETAILS TO THE GERMAN FEDERAL MINISTER OF ECONOMICS, WHO IS TO REPORT TO THE DIRECTOR OF THE FUND. (THE CONVENTIONS ARE ABSTRACED AS ID NUMBERS 03554A AND 03554B.)

WATER

GERMANY,FED REP OF "JUNE 10, 1975 OIL LIABILITY CERTIFICATE ORDINANCE." BUNDESGESETZBLATT, I
EPA
LR(A) GERMAN 06/14/75 PGS 1337-1338 ID# 035828

THE FULL TITLE OF THIS LEGISLATION IS THE "JUNE 10, 1975 ORDINANCE ON THE ISSUE OF CERTIFICATES PURSUANT TO THE LAW ON THE INTERNATIONAL CONVENTIONS OF NOVEMBER 29, 1969 ON CIVIL LIABILITY FOR OIL POLLUTION DAMAGE AND OF DECEMBER 18, 1971 ON THE ESTABLISHMENT OF AN INTERNATIONAL FUND FOR COMPENSATION FOR OIL POLLUTION DAMAGE." UNDER THE 1969 CONVENTION AND THE FEDERAL GERMAN LAW ASSENTING TO THE CONVENTION, CERTAIN SHIP OWNERS MUST OBTAIN CERTIFICATES SHOWING THAT THEY HAVE INSURANCE OR OTHER FINANCIAL SECURITY AGAINST OIL POLLUTION DAMAGE ORIGINATING WITH THEIR SHIPS. THE WATER AND SHIPPING DIRECTORATE OF HAMBURG IS RESPONSIBLE FOR ISSUING AND CONFISCATING THE CERTIFICATES. SECTIONS OF THE PRESENT ORDINANCE DESCRIBE FOR THE CERTIFICATES: PREREQUISITES, ISSUANCE, DUTIES OF SHIP OWNERS, CONFISCATION, FEES AND VIOLATIONS.

GERMANY,FED REP OF "JAN. 27, 1975 LAW IMPLEMENTING THE NOV. 29, 1969 INTERNATIONAL CONVENTION ON INTERVENTION ON THE HIGH SEAS IN CASES OF OIL POLLUTION CASUALTIES." BUNDESGESETZBLATT, II
EPA
LR(A) GERMAN 02/01/75 PGS 137-138 ID# 03586A

THIS LAW CONSENTS TO THE NOVEMBER 29, 1969 CONVENTION ON THE PART OF THE FEDERAL REPUBLIC OF GERMANY. IN IMPLEMENTATION OF THE CONVENTION, THE LAW REQUIRES THE COMMANDER OF A SHIP AUTHORIZED TO FLY THE FEDERAL FLAG TO NOTIFY THE CENTRAL REPORTING OFFICE FOR OIL POLLUTION OF THE FEDERAL WATER AND SHIPPING AUTHORITY IMMEDIATELY, BY THE BEST POSSIBLE MEANS, OF ANY ACCIDENT AT SEA WHICH COULD CAUSE POLLUTION OR ENDANGER THE COAST OR RELATED INTERESTS OF A STATE PARTY TO THE 1969 CONVENTION. THE COMMANDER IS ALSO TO NOTIFY THE COUNTRY WHOSE COAST IS THREATENED BY POLLUTION FROM THE ACCIDENT. FAILURE TO REPORT AN OIL ACCIDENT TO THE FEDERAL AUTHORITIES IS PUNISHABLE BY A FINE UP TO 10,000 GERMAN MARKS. THE FEDERAL MINISTER OF TRANSPORTATION WILL PROVIDE A MODEL OF THE NOTIFICATION FORM FOR ACCIDENTS AS WELL AS A LIST OF THE REPORTING STATIONS FOR STATES PARTY TO THE CONVENTION. (AN ABSTRACT OF THE 1969 CONVENTION WILL BE FOUND UNDER ID NO. 03553A.)

GERMANY,FED REP OF "'CONCERTED ACTION' BETWEEN AIR AND WATER." STUTTGARTER ZEITUNG
EPA
LR(B) GERMAN 03/19/76 PGS 6 ID# 03610A

THE STATE OF BADEN-WUERTTEMBERG IN THE FEDERAL REPUBLIC OF GERMANY HAS DEVELOPED A WATER MONITORING SYSTEM FOR THE NECKAR AND RHINE RIVERS AND FOR LAKE CONSTANCE THAT REDUCED THE NUMBER OF POLLUTION INCIDENTS FROM 274 IN 1973 TO 199 IN 1974. TWENTY-FIVE SPECIAL "OFFICERS FOR DANGEROUS GOODS AND ENVIRONMENTAL PROTECTION" PATROL THESE WATERS IN BOATS AND HELICOPTERS. THEY ARE EQUIPPED WITH A DEVICE THAT PRODUCES VISUAL AND ACOUSTICAL SIGNALS IN THE PRESENCE OF DANGEROUS GASES. THEY ALSO CARRY AN ANALYSIS KIT THAT ALLOWS THEM TO CHEMICALLY IDENTIFY UP TO 20 POLLUTANTS IN AN HOUR. PREVIOUSLY IT TOOK FOUR TO FIVE WEEKS TO OBTAIN REPORTS ON WATER SAMPLES SENT TO THE STATE OFFICE FOR WATER ANALYSIS, BY WHICH TIME IT WAS OFTEN DIFFICULT TO IDENTIFY THE POLLUTER. THE STATE POLICE AUTHORITIES PLAN TO EXPAND THE MONITORING FORCE TO 50 MEN AND TO IMPROVE THE TRAINING AND EQUIPMENT SYSTEMS. THE STATE'S PROGRAM HAS BECOME A MODEL FOR OFFICIALS OF OTHER GERMAN STATES.

WATER

GERMANY,FED REP OF

"IN SPITE OF THE RECESSION, NO STANDSTILL IN WATER PROTECTION." WASSER, LUFT UND BETRIEB

HENK, HORST

SE( )

GERMAN

ALSO PHB

02/00/76 PGS 53-57

EPA ID# 03605A

RISING DEMANDS FOR WATER HAVE INCREASED THE NECESSITY TO IMPROVE SURFACE WATER QUALITY IN THE FEDERAL REPUBLIC OF GERMANY. THE FEDERAL GOVERNMENT'S ENVIRONMENTAL PROGRAM PROPOSES 90 PERCENT PURIFICATION OF SEWAGE FROM THE PUBLIC SEWERAGE SYSTEMS BY 1985. AT AN ESTIMATED INVESTMENT OF 65 BILLION MARKS. LEGISLATION SUCH AS THE 1975 WASHING AGENT LAW CAN REDUCE THE QUANTITY OF POLLUTANTS IN DISCHARGED WASTEWATER, WHILE A PROPOSED SEWAGE FEE LAW COULD PROVIDE AN ECONOMIC INCENTIVE FOR IMPROVED SEWAGE TREATMENT. AT A JULY 1975 MEETING, THE FEDERAL CHANCELLOR, REPRESENTATIVES OF THE FEDERAL AND STATE GOVERNMENTS, INDUSTRY, THE UNIONS AND LEADING SCIENTISTS DECIDED ENVIRONMENTAL PROTECTION MEASURES SHOULD BE PURSUED REGARDLESS OF THE GENERAL ECONOMIC SITUATION. THE ECONOMIC BURDENS OF WATER PROTECTION MEASURES CAN BE REDUCED BY LEGISLATIVE HARDSHIP PROVISIONS AND FEDERAL AND STATE GOVERNMENT SUBSIDIES FOR SEWAGE PURIFICATION. VARIOUS TYPES OF INDUSTRY HAVE PARTICULAR SEWAGE PURIFICATION OR RECYCLING NEEDS.

GREAT BRITAIN

WATER SUPPLY, SEWAGE DISPOSAL AND THE NEW ADMINISTRATIVE ORGANISATION. A LIST OF OFFICIAL PUBLICATIONS (BIBLIOGRAPHY NO. 178)

CONNOLLY, KATHLEEN, COMP.

PN(8)

ENGLISH

10/00/74 PGS 1-58

EPA ID# 03565A

THE BIBLIOGRAPHY, COMPILED BY PERSONNEL OF THE HEADQUARTERS LIBRARY OF THE DEPARTMENT OF THE ENVIRONMENT, LISTS MAJOR OFFICIAL PUBLICATIONS PERTAINING TO WATER MANAGEMENT. OFFICIAL PUBLICATIONS ARE DEFINED AS PARLIAMENTARY AND NON-PARLIAMENTARY MATERIAL ISSUED BY HER MAJESTY'S STATIONERY OFFICE, BY THE DEPARTMENT OF THE ENVIRONMENT (DOE), BY DOE'S PREDECESSOR THE MINISTRY OF HOUSING AND LOCAL GOVERNMENT, BY OTHER GOVERNMENT DEPARTMENTS, AND BY CERTAIN STATUTORY AND PROFESSIONAL BODIES. A COMPREHENSIVE REORGANIZATION OF THE ADMINISTRATION OF WATER AFFAIRS WAS INSTITUTED BY THE 1973 WATER ACT, AND MANY OF THE PUBLICATIONS LISTED DEAL WITH THE NEW OFFICIAL STRUCTURE. OTHER SECTIONS OF THE BOOKLET LIST: BIBLIOGRAPHIES; PERIODICALS AND ABSTRACTING JOURNALS; LEGISLATION; DIRECTORIES AND YEARBOOKS; WATER SUPPLY, INCLUDING WATER RESOURCES, QUALITY, TREATMENT AND DISTRIBUTION; SEWAGE AND INDUSTRIAL EFFLUENT DISPOSAL; AND THE ADDRESSES OF SELECTED ORGANIZATIONS. BRIEF INDICATIONS OF CONTENTS ARE GIVEN IN MOST CASES.

WATER

INTERNATIONAL

NOVEMBER 29, 1969 INTERNATIONAL CONVENTION RELATING TO INTERVENTION ON THE HIGH SEAS IN CASES OF OIL POLLUTION CASUALTIES

EPA

LR(A) ENGLISH* 11/29/69 PGS 1-13 ID# 03553A

*ALSO FRENCH AND GERMAN

THIS CONVENTION IS DESIGNED TO PROTECT CITIZENS OF PARTY STATES FROM THE DANGERS OF OIL POLLUTION OF THE SEA OR THEIR COASTLINES RESULTING FROM A MARITIME CASUALTY OR ACTS RELATED TO SUCH A CASUALTY. IT PROVIDES THAT IN CASE OF SUCH A CASUALTY POSING GRAVE AND IMMINENT DANGER TO ITS COASTLINE OR RELATED INTERESTS (SUCH AS FISHING, RECREATION), A STATE MAY TAKE MEASURES TO PREVENT, REDUCE OR ELIMINATE THE DANGER. MEASURES TAKEN ARE TO BE PROPORTIONATE TO THE REAL OR THREATENED DANGER. ANY PARTY TAKING MEASURES IN VIOLATION OF THE CONVENTION WILL BE REQUIRED TO PAY COMPENSATION FOR THE AMOUNT OF DAMAGE CAUSED BY MEASURES BEYOND THOSE REASONABLY NECESSARY. IF DISAGREEMENT ABOUT THE NEED TO PAY COMPENSATION EXISTS, THE PARTIES AGREE TO SUBMIT TO CONCILIATION OR ARBITRATION, THE PROCEDURES FOR WHICH ARE DESCRIBED IN CHAPTERS 1 AND 2 OF THE ANNEX. (AN ORIGINAL TEXT OF THE CONVENTION WAS PRINTED IN THE BUNDESGESETZBLATT, VOL. II, OF THE FEDERAL REPUBLIC OF GERMANY ON FEB. 1, 1975, PP. 139-151, WITH A GERMAN TRANSLATION.)

INTERNATIONAL

NOVEMBER 29, 1969 INTERNATIONAL CONVENTION ON CIVIL LIABILITY FOR OIL POLLUTION DAMAGE

EPA

LR(A) ENGLISH* 11/29/69 PGS 1-15 ID# 03554A

*ALSO FRENCH AND GERMAN

THIS CONVENTION IS INTENDED TO ESTABLISH UNIFORM INTERNATIONAL RULES AND PROCEDURES FOR DETERMINING QUESTIONS OF LIABILITY AND FOR PROVIDING ADEQUATE COMPENSATION TO THOSE SUFFERING DAMAGE FROM POLLUTION BY OIL WHICH HAS ESCAPED OR BEEN DISCHARGED FROM SHIPS CARRYING OIL IN BULK. THE CONVENTION APPLIES TO POLLUTION DAMAGE ON THE TERRITORY OR IN THE TERRITORIAL SEA OF ANY CONTRACTING STATE. IT MAKES THE SHIP'S OWNER RESPONSIBLE FOR ANY DAMAGE CAUSED BY OIL FROM HIS SHIP. IT STIPULATES THE MAXIMUM LIABILITY OF THE SHIP'S OWNER AND DECREES THE PROCEDURE TO BE FOLLOWED BY AN INJURED PARTY IN ORDER TO OBTAIN COMPENSATION. A SHIP REGISTERED WITH A CONTRACTING STATE AND CARRYING MORE THAN 2,000 TONS OF BULK OIL AS CARGO IS TO BE REQUIRED TO CARRY INSURANCE OR OTHER FINANCIAL SECURITY TO THE LIMITS OF ITS LIABILITY. A MODEL OF THE CERTIFICATE VERIFYING THE REQUIRED SECURITY COVERAGE IS APPENDED. (AN OFFICIAL TEXT OF THE CONVENTION WAS PRINTED IN THE BUNDESGESETZBLATT, VOL. II, OF THE FEDERAL REPUBLIC OF GERMANY ON MARCH 21, 1975, PP. 305-319.)

INTERNATIONAL — DECEMBER 18, 1971 INTERNATIONAL CONVENTION ON THE ESTABLISHMENT OF AN INTERNATIONAL FUND FOR COMPENSATION FOR OIL POLLUTION DAMAGE

EPA

LR(A) — ENGLISH* — 12/18/71 — PGS 1-29 — ID# 035548

*ALSO FRENCH AND GERMAN

THIS CONVENTION PROVIDES FOR A COMPENSATION AND INDEMNIFICATION SYSTEM SUPPLEMENTAL TO THAT ESTABLISHED BY THE NOVEMBER 29, 1969 INTERNATIONAL CONVENTION ON CIVIL LIABILITY FOR OIL POLLUTION DAMAGE (LIABILITY CONVENTION). IT ESTABLISHES THE "INTERNATIONAL OIL POLLUTION COMPENSATION FUND." WHICH IS INTENDED TO: A) PROVIDE COMPENSATION TO THE EXTENT THE PROTECTION PROVIDED BY THE LIABILITY CONVENTION IS INADEQUATE AND 2) GIVE RELIEF TO SHIPOWNERS IN REGARD TO THE FINANCIAL BURDEN IMPOSED ON THEM BY THE LIABILITY CONVENTION. ARTICLES 4-9 SET THE TERMS FOR COMPENSATION OF THOSE SUFFERING OIL POLLUTION DAMAGE AND FOR INDEMNIFICATION OF SHIPOWNERS AND THEIR GUARANTORS. ARTICLES 10-15 CONTAIN REGULATIONS ON CONTRIBUTIONS TO THE FUND BY PERSONS IN PARTY STATES. ARTICLES 16-34 DESCRIBE THE ORGANIZATION AND ADMINISTRATION OF THE FUND, PROVIDING FOR AN ASSEMBLY, EXECUTIVE COMMITTEE AND SECRETARIAT. (AN OFFICIAL TEXT OF THE CONVENTION APPEARED IN VOLUME II OF THE BUNDESGESETZBLATT OF THE FEDERAL REPUBLIC OF GERMANY, MARCH 21, 1975, PP. 320-347.)

INTERNATIONAL — "CONVENTION AGAINST POLLUTION OF THE MEDITERRANEAN SEA." NEUE ZUERCHER ZEITUNG

EPA

LR(B) — GERMAN — 02/13/76 — PGS 4 — ID# 03579A

DIPLOMATS FROM 16 COUNTRIES SURROUNDING THE MEDITERRANEAN SEA HAVE SIGNED A FRAMEWORK CONVENTION TO COMBAT POLLUTION IN THE SEA. TWO SUPPLEMENTARY PROTOCOLS ARE STILL BEING WORKED OUT. ONE, DEALING WITH SEWAGE, CONCENTRATES ON THE MAXIMUM PERMISSIBLE CONCENTRATIONS OF ACIDS, ALKALINE AND RADIOACTIVE SUBSTANCES IN WASTEWATER DISCHARGED INTO THE SEA. THERE IS STILL NO AGREEMENT AMONG REPRESENTATIVES ON THE CONTENTS OF THE "BLACK LIST" OF FORBIDDEN POISONOUS OR HARMFUL SUBSTANCES TO BE INCLUDED IN THE PROTOCOL. THE OTHER PROTOCOL DEALS WITH OIL POLLUTION AND PROVIDES FOR THE CREATION OF OBSERVATION CENTERS IN CERTAIN AREAS. MALTA HAS BEEN MENTIONED AS THE SITE OF ONE SUCH REGIONAL STATION.

INTERNATIONAL — POLLUTION PREVENTION CODE (OIL TANKERS)

EPA

LR(A) — ENGLISH — 04/28/76 — PGS 1-14 — ID# 03603A

THE POLLUTION PREVENTION CODE (OIL TANKERS), ANNOUNCED BY THE INTERNATIONAL CHAMBER OF SHIPPING (ICS) ON APRIL 29, 1976, HAS BEEN DEVELOPED TO ENCOURAGE COMPLIANCE WITH CERTAIN PROVISIONS OF THE 1973 MARINE POLLUTION CONVENTION IN THE PERIOD BEFORE THAT CONVENTION ENTERS INTO FORCE. THE OBJECTIVES OF THIS CODE ARE: 1) TO ESTABLISH A STANDARD OF PRACTICE FOR SHIPS CARRYING OIL CARGOES IN BULK, BASED ON THOSE REQUIREMENTS OF THE CONVENTION RELATING TO THE PREVENTION OF THE DISCHARGE OF OIL TO THE SEA WHICH ARE IMMEDIATELY ATTAINABLE; AND 2) TO PROVIDE A MEANS WHEREBY ANY OWNER OR CHARTERER MAY VOLUNTARILY AGREE TO CONDUCT ALL TANKER OPERATIONS IN ACCORDANCE WITH THE STANDARDS CONTAINED IN THE CODE. PROVISIONS CONCERN: THE DISCHARGE OF BLACK AND WHITE OIL CARGO RESIDUES; SEDIMENT AND EFFLUENTS FROM CARGO TANKS; MACHINERY SPACE BILGE WATER; EQUIPMENT AND SHIP CONSTRUCTIONAL FEATURES; INSPECTION OF RETAINED CARGO RESIDUES AT LOADING PORTS; AND ADMINISTRATION.

WATER

INTERNATIONAL

"MEDITERRANEAN: FIRST OFFENSIVE AGAINST POLLUTION." LE FIGARO
EPA
PH(B) FRENCH 02/18/76 PGS 8 ID# 03557A

"YEAR ONE" OF THE MEDITERRANEAN HAS BEEN LAUNCHED. ACCORDING TO THE FRENCH MINISTER FOR THE QUALITY OF LIFE. WITH THE SIGNING OF THE AGREEMENT OF THE PROTECTION OF THE MEDITERRANEAN FROM POLLUTION. THE AGREEMENT WAS SIGNED BY 12 LITTORAL NATIONS DURING THE COURSE OF A UNITED NATIONS SPONSORED CONFERENCE IN BARCELONA. A FRAMEWORK CONVENTION LISTING GENERAL PRINCIPLES FOR THE PREVENTION OF POLLUTION WAS ADOPTED. ALONG WITH TWO PROTOCOLS DEALING WITH THE PREVENTION OF ACCIDENTAL OIL SPILLS AND THE REGULATION OF WASTE-DISPOSAL FROM SHIPS AND AIRCRAFT. CONFLICTS OVER THE SUBJECT OF RED SLUDGES WERE SETTLED WITH THE PROVISION THAT THEIR DISCHARGE BE PROHIBITED IF THEY SHOULD, THROUGH THEIR COMPOSITION OR QUANTITY, EXCEED THE STANDARDS WHICH ARE TO BE DEFINED IN SUBSEQUENT MEETINGS.

IRELAND

THE NATIONAL SURVEY OF IRISH RIVERS -- A SECOND REPORT ON WATER QUALITY
IRELAND. AN FORAS FORBARTHA
EPA
PH(B) ENGLISH 00/00/74 PGS 1-98 ID# 03613A

THE INITIAL WATER QUALITY SURVEY OF IRISH RIVERS CARRIED OUT BY AN FORAS FORBARTHA (THE ENVIRONMENTAL RESEARCH AND ADVISORY BODY) IN 1971 IDENTIFIED THOSE STRETCHES OF THE MAJOR RIVERS ON WHICH POLLUTION WAS A PROBLEM. THIS REPORT DEALS WITH A SECOND-STAGE INVESTIGATION OF THOSE STRETCHES FOUND TO BE AFFECTED IN AN EFFORT TO DEFINE THE DEGREE OF POLLUTION. THE EXTENT OF SAMPLING AND RANGE OF PARAMETERS DETERMINED HAS UNDERGONE INTENSIFICATION IN THIS SURVEY, WITH A DAILY AVERAGE OF SAMPLES IN EXCESS OF 20 AND WITH THE INCLUSION OF SUCH PARAMETERS AS NITRATE, ORTHO-PHOSPHATE AND METALS. THE RESULTS OBTAINED ARE PRESENTED FOR EACH OF THE 36 RIVERS EXAMINED, AND THE GENERAL TREND INDICATED IS TREATED IN A DISCUSSION SECTION.

IRELAND

A PRELIMINARY SURVEY OF IRISH LAKES
IRELAND. AN FORAS FORBARTHA
EPA
ST( ) ENGLISH 05/00/75 PGS 1-164 ID# 03604A

THIS REPORT, PREPARED BY THE WATER RESOURCES DIVISION OF AN FORAS FORBARTHA, THE ENVIRONMENTAL RESEARCH AND ADVISORY BODY, PRESENTS THE RESULTS OF A PRELIMINARY STUDY OF THE MORE IMPORTANT AND REPRESENTATIVE IRISH LAKES AND CONTAINS DATA OBTAINED DURING THE COURSE OF A SURVEY ON THE CHEMICAL, PHYSICAL AND BIOLOGICAL CHARACTERISTICS OF 53 LAKES. THE SURVEY WAS CONDUCTED IN THE PERIOD OCTOBER 1973 TO AUGUST 1974 FROM SAMPLING STATIONS ESTABLISHED ACCORDING TO OECD RECOMMENDATIONS. THE SAMPLING, ALTHOUGH LIMITED TO TWO SURVEYS PER LAKE, WAS SUFFICIENT TO PROVIDE A GENERAL ASSESSMENT OF THE LAKE CONDITIONS ON THE BASIS OF THE MEASUREMENT OF THESE PARAMETERS: CONDUCTIVITY, HARDNESS, ALKALINITY, CHLORIDE, SULPHATE, SODIUM, POTASSIUM, COLOR, PH, IRON, MANGANESE, ORTHOPHOSPHATE, TOTAL PHOSPHATE, NITRATE, NITRITE, AMMONIA, SILICA, BOD, CHLOROPHYLL "A" AND TRANSPARENCY.

ITALY

"WILL FISH WITHOUT PAYMENT OF LICENSE TAXES UNLESS WATERS ARE PURIFIED." CORRIERE DELLA SERA

MENTO, FRANCO

PH(B) ITALIAN 11/06/75 PGS 11 EPA ID# 03567A

THIS ARTICLE REPORTS THAT AN AGREEMENT HAS BEEN REACHED BETWEEN THE ITALIAN REGGIANE DISTILLERIES AND MUNICIPAL AUTHORITIES IN THE REGGIO EMILIA PROVINCE ON THE CONSTRUCTION OF A WASTEWATER TREATMENT PLANT FOR THE DISTILLERIES' EFFLUENTS. THE TREATMENT PLANT, WHOSE CONSTRUCTION HAS ALREADY BEGUN, IS SCHEDULED TO START OPERATING BY MAY 31, 1977. THE ARTICLE ALSO REPORTS THAT A GROUP OF THE AREA'S FISHERMEN ASSEMBLED IN PROTEST BEFORE THE GUASTALLA TOWNHALL, DEMANDING THAT ALL SUCH POLLUTING INDUSTRIES BE EQUIPPED WITH ADEQUATE TREATMENT FACILITIES PRIOR TO DECEMBER 31. REPRESENTATIVES OF THE AREA'S 100,000 FISHERMEN FURTHER THREATENED TO CEASE PAYMENT OF FISHING LICENSE TAXES AT THAT TIME UNLESS SUCH PROTECTIVE MEASURES HAD BEEN UNDERTAKEN.

NEW ZEALAND

"REGIONAL WATER BOARDS AND EFFLUENT STANDARDS." WATER AND SOIL, VOL. 12, NO. 2

WALKER, E. A.

PH(A) ENGLISH 10/00/75 PGS 19-20, 28 EPA ID# 03606A

ALSO PHB AND LRB

THIS ARTICLE IS A CONDENSED VERSION OF A PAPER DISCUSSING THE CONCEPTS OF EFFLUENT AND AMBIENT WATER QUALITY STANDARDS IN THE NEW ZEALAND WATER AND SOIL CONSERVATION ACT. THE WATER RESOURCES COUNCIL DETERMINES AMBIENT WATER CLASSIFICATIONS TO BE ENFORCED BY THE REGIONAL WATER BOARDS, WHICH IN TURN ARE TO FORMULATE EFFLUENT STANDARDS TO COMPLEMENT THE PRESCRIBED AMBIENT WATER QUALITY STANDARDS. THE WORKING OF THE WATER AND SOIL CONSERVATION ACT HAS PROVIDED SOLID PROCEDURES FOR DETERMINING AMBIENT STANDARDS BUT GIVES FEW GUIDELINES FOR EFFLUENT STANDARDS. THE ACTIVITIES OF THE REGIONAL WATER BOARDS IN MAKING EFFLUENT STANDARDS ARE THEREFORE DIVERSE AND BESET BY TECHNICAL, FINANCIAL AND POLITICAL PROBLEMS. TO REMEDY THIS, THE ARTICLE SEES AN URGENT NEED FOR A TECHNICAL AND PHILOSOPHICAL REORIENTATION OF WATER CLASSIFICATION PROCEDURES WHICH WOULD PROVIDE FOR BOTH NATIONAL AND REGIONAL PARTICIPATION IN THE FORMULATION OF EQUALLY IMPORTANT STANDARDS ON WATER QUALITY AND EFFLUENTS IN NEW ZEALAND POLLUTION LAWS.

NEW ZEALAND

"FUTURE WATER CLASSIFICATIONS IN SELECTED AREAS ONLY." WATER AND SOIL, VOL. 12, NO. 2

PH(B) ENGLISH 10/00/75 PGS 25 EPA ID# 03606A

ALSO LRB

THIS BRIEF ARTICLE SUMMARIZES THE STATUS OF WATER CLASSIFICATIONS PREPARED BY THE NEW ZEALAND WATER RESOURCES COUNCIL IN LIGHT OF THE RECENT SUPREME COURT RULING THAT WATER QUALITY CLASSIFICATIONS SHOULD NOT BE LOWER THAN THE EXISTING QUALITY OF WATER, SAVE FOR GOOD REASON, AND THAT CLASSIFICATIONS SHOULD SET HIGHER STANDARDS THAN THOSE EXISTING IF THEY ARE REASONABLY NEEDED AND ATTAINABLE. THE COUNCIL IS TO CONTINUE TO PREPARE WATER CLASSIFICATIONS ONLY IN THOSE AREAS WHERE CONFLICTS OF WATER USE ARE APPARENT, BUT AS A RESULT OF THE RULING, WATER QUALITY STANDARDS MAY NOT BE FIXED SOLELY ACCORDING TO THE PUBLIC USE OF THE WATER. THE COUNCIL HAS SET UP A SPECIAL COMMITTEE TO CONSIDER THE FUTURE BASIS OF WATER QUALITY CONTROL IN NEW ZEALAND. PRESENTLY, EIGHT PROPOSED CLASSIFICATIONS WILL BE CANCELLED AND FIVE CLASSIFICATIONS ARE SUBJECT TO APPEAL. THE LAKE ROTORUA RECLASSIFICATION AND 19 OTHER EXISTING CLASSIFICATIONS WILL REMAIN IN EFFECT AS THEY ARE.

NEW ZEALAND "LAKE ROTORUA FIRST RECIPIENT OF NEW SUBSIDY." SOIL AND WATER. VOL. 12. NO. 2
EPA
PH(B) ENGLISH 10/00/75 PGS 32 ID# 03609A
ALSO SE

THIS SHORT ARTICLE REPORTS THAT LAKE ROTORUA IN NEW ZEALAND HAS BEEN CLASSIFIED WITH THE SYMBOL X INDICATING IT IS SENSITIVE TO ENRICHMENT. THIS REQUIRES THE REMOVAL OF NUTRIENTS FROM WASTEWATER DISCHARGED INTO THE LAKE IN ADDITION TO THE REGULAR HYGIENIC TREATMENT OF THE WASTEWATER. THE HEALTH DEPARTMENT SUBSIDY PAID TO ALL LOCAL GOVERNMENTS FOR SEWAGE TREATMENT WILL NOW BE AUGMENTED IN THE CASE OF THE ROTORUA LOCAL GOVERNMENT FOR NUTRIENT REMOVAL IN WASTEWATER. THE NATIONAL WATER AND SOIL CONSERVATION ORGANIZATION WILL PAY THE NEW SUBSIDY. WHICH WILL MATCH THE AMOUNT RAISED BY THE ROTORUA LOCAL GOVERNMENT FOR NUTRIENT REMOVAL IN WASTEWATER. IN THE FUTURE THE NEW ZEALAND GOVERNMENT WILL APPLY THE NEW SUBSIDY IN OTHER AREAS WHICH MERIT IT. AND A SPECIAL EXTENSION OF THE SUBSIDY. AMOUNTING TO UP TO HALF OF THE LOCAL CONTRIBUTION. WILL BE AVAILABLE WHERE SCHEMES ARE PART OF FULL WATER AND SOIL CONSERVATION PROGRAMS COVERING A WHOLE CATCHMENT AREA.

NEW ZEALAND "UPPER KAITUNA CATCHMENT CONTROL SCHEME... BOLD RECOMMENDATIONS THAT OFFER A NEW APPROACH." SOIL AND WATER. VOL. 12. NO. 2
LISTER. RON G.
EPA
PH(B) ENGLISH 10/00/75 PGS 4-5 ID# 03612A
ALSO SE
LAND USE

THIS ARTICLE DESCRIBES THE RECOMMENDATIONS CONTAINED IN THE NEW ZEALAND BAY OF PLENTY CATCHMENT COMMISSION'S 1975 REPORT ADVOCATING A SUBSTANTIAL GOVERNMENT INVESTMENT FOR CORRECTING AND PREVENTING THE ENVIRONMENTAL DETERIORATION OF LAKE ROTORUA AND THE UPPER KAITUNA RIVER CATCHMENT. CITING PREVIOUS GOVERNMENT PROCRASTINATION ON THE ISSUE. THE ARTICLE POINTS OUT THAT ALTERNATIVES TO COMPREHENSIVE ENVIRONMENTAL PROTECTION IN THIS VITAL REGION DO NOT EXIST. THAT SUBSTANTIAL SPENDING IS NECESSARY AND THAT DELAYS IN CORRECTIVE ACTION ARE NOT JUSTIFIABLE. THE RECOMMENDED PROTECTION SCHEME IS COMPREHENSIVE. DESIGNED TO CONTROL SOIL EROSION. FLOODING AND LAKE LEVELS WITHIN THE CATCHMENT. PREVENT THE ADDITION OF NUTRIENTS TO LAKE ROTORUA FROM TREATED HUMAN EFFLUENT AND REDUCE INPUT OF PHOSPHATE FROM WATER FLOWING TO THE LAKE. AN OUTLINE OF THE ESTIMATED CAPITAL COSTS AND SUBSIDY RATES FOR EACH FACET OF THE SCHEME IS GIVEN IN THE ARTICLE.

NORWAY "OIL MESS OVERTAKES REFINERY." AFTENPOSTEN

PH(B) NORWEGIAN 02/16/76 PGS 1, 12 EPA ID# 03568A

THIS ARTICLE REPORTS ON A 200 TO 400 TON OIL LEAKAGE FROM A BRITISH OIL TANKER WHICH STRUCK GROUND OUTSIDE TANAGER ON THE COAST OF NORWAY. ABOUT 80 PERCENT OF THE OIL WAS DISPERSED WITH THE AID OF CHEMICALS IN ORDER TO SAVE THE BIRD POPULATION AND TO PREVENT OIL FROM REACHING LAND. THE ENVIRONMENTAL PROTECTION AUTHORITIES DO NOT RECOMMEND THIS METHOD IF ANOTHER OPTION EXISTS ON ACCOUNT OF THE DAMAGE INFLICTED ON FRY AND SHELLFISH AT THE BOTTOM OF THE SEA WHERE THE DISSOLVED OIL PARTICLES LODGE. AT THE PRESENT TIME, NORWAY LACKS PROPER EQUIPMENT TO HANDLE OIL SPILLAGE IN THE OPEN SEA, BUT THE STORTING (PARLIAMENT) HAS ALREADY APPROPRIATED 9.5 MILLION NORWEGIAN KRONER TO PURCHASE NEW EQUIPMENT WHICH WILL BE DISTRIBUTED AMONG SIX STATIONS ALONG THE COAST. (THE PROBLEM WAS FIRST REPORTED IN AN ARTICLE FROM AFTENPOSTEN, FEBRUARY 7. ON FEBRUARY 18, THE MINISTER OF ENVIRONMENT ALSO VOICED CONCERN OVER THIS SITUATION. BOTH ARTICLES ARE ATTACHED.)

NORWAY "OIL POLLUTION WILL SOON BE MAPPED OUT." AFTENPOSTEN

PH(B) NORWEGIAN 02/24/76 PGS 4 EPA ID# 03587A

GRO HARLEM BRUNDTLAND, MINISTER FOR ENVIRONMENT, HAS ANNOUNCED THAT THE GOVERNMENT PLANS A LONG-TERM PROGRAM TO RESEARCH AND MONITOR OIL POLLUTION IN NORWEGIAN SEA AREAS AND COASTAL WATERS WHERE OIL IS EXTRACTED IN ORDER TO MAP OUT THE DANGERS THESE ACTIVITIES REPRESENT FOR MARINE LIFE AND VEGETATION. EXACTLY HOW SERIOUSLY OIL OR OIL WASTE AFFECTS THESE AREAS IS NOT CLEAR, BUT MS. BRUNDTLAND POINTED TO THE FACT THAT TESTS IN THE NORTH SEA HAVE SHOWN FEW ADVERSE EFFECTS ON THE MARINE ENVIRONMENT ON ACCOUNT OF OIL POLLUTION. THE MINISTER DID NOT FEEL THAT THE PLANNED RESEARCH WOULD HAMPER THE START OF DRILLING ACTIVITIES NORTH OF THE 62 LATITUDE IN 1977.

SWEDEN "NORWEGIAN SHIPS CAN DUMP OIL - SWEDISH SHIPS CANNOT." AFTENPOSTEN

LR(B) NORWEGIAN 01/23/76 PGS 12 EPA ID# 03566A

GRANGES SHIPPING COMPANY IN STOCKHOLM HAS RECEIVED AN EXEMPTION FROM THE SWEDISH DEPARTMENT OF COMMUNICATIONS IN ORDER TO DUMP USED OIL FROM SHIPS INTO INTERNATIONAL "FREE ZONES." BOTH SWEDEN AND NORWAY HAVE RATIFIED THE 1954 INTERNATIONAL CONVENTION ON POLLUTION OF THE SEA BY OIL AND AGREEMENTS PERTAINING TO THIS, ISSUED AT LATER DATES. BUT SWEDEN, IN CONTRAST TO NORWAY, HAS ENFORCED THE REGULATIONS AS WELL. THE EXEMPTION HAS, AT THIS POINT, VERY LITTLE PRACTICAL VALUE FOR THE COMPANY ON ACCOUNT OF IMPROVEMENTS IN TANK CLEANING TECHNIQUES ETC. SINCE THE TIME THE APPLICATION WAS HANDED IN THREE YEARS AGO. BUT THE COMPANY OFFICIALS WANT TO POINT OUT THAT SWEDISH SHIPPING FIRMS ARE IN A DIFFICULT BARGAINING POSITION AS COMPARED TO, FOR INSTANCE, THEIR NORWEGIAN COUNTERPARTS. THEY ALSO WANT TO MAKE IT KNOWN THAT SWEDEN DOES NOT HAVE ENOUGH RECEIVING STATIONS FOR USED OIL. NORWEGIAN OFFICIALS REPORT THAT THE SITUATION IS BEING EVALUATED IN THEIR COUNTRY AS WELL.

WATER

SWEDEN — PYROLYSIS OF HOUSEHOLD WASTE
SWEDEN. NATIONAL SWEDISH BOARD FOR TECHNICAL DEVELOPMENT — EPA
PH(B) — ENGLISH — 05/28/75 — PGS 1-10 — ID# 03599A
ALSO ST

PYROLYSIS, THE THERMAL DECOMPOSITION OF ORGANIC MATERIAL IN THE ABSENCE OR LIMITED PRESENCE OF OXYGEN TO FORM GAS, OIL AND TAR AND SOLID RESIDUE, IS EVALUATED IN THIS REPORT. TECHNICAL AND ECONOMIC CALCULATIONS, SUPPLEMENTED BY A SENSITIVITY ANALYSIS, WERE CARRIED OUT FOR THE REGION OF NORRKOPING WITH A POPULATION OF 150,000 AND A QUANTITY OF 85,000 TONS OF WASTE PER YEAR. IF OPERATION WAS CONTINUOUS 24 HOURS SIX DAYS A WEEK, AND IF ALL OF THE PRODUCED GAS COULD BE CONSUMED DURING THIS PERIOD, THE PROCESSING COST OF THE WASTE CAPABLE OF PYROLYSIS WOULD BE CLOSE TO ZERO. AT PRESENT, THE PROCESS, ON WHICH THE CALCULATION IS BASED, SHOULD BE FEASIBLE ALTHOUGH IT CANNOT BE GUARANTEED BY ANY SUPPLIER. THE NET COST OF COMPOSTING, BY COMPARISON, IS APPROXIMATELY EQUAL TO THE COST OF PYROLYSIS, BUT PYROLYSIS MAY BE EXPECTED TO HAVE ENVIRONMENTAL ADVANTAGES. THE REPORT SHOWS THAT PYROLYSIS HAS CONSIDERABLE POTENTIAL IN REGARD TO ENVIRONMENT, SITING, ENGINEERING AND ECONOMICS, BUT A PRACTICAL INSTALLATION IS NEEDED IN ORDER TO VERIFY THIS.

SWEDEN — "SOME ASPECTS OF THE MERCURY PROBLEM." IVL - SWEDISH WATER AND AIR POLLUTION RESEARCH LABORATORY
JERNELOV, ARNE — EPA
PH(B) — ENGLISH — 09/00/74 — PGS 1-13 — ID# 03616A
ALSO ST
TOXIC SUBS

AVAILABLE INFORMATION AT THE END OF 1972 ON THE LOCAL AQUATIC AND GLOBAL CIRCULATION OF MERCURY IS SUMMARIZED IN THIS REPORT AND A SHORT EXPOSE OF THE METHODS PROPOSED FOR RESTORATION OF MERCURY-CONTAMINATED WATER BODIES IS GIVEN. IN ADDITION, IN RELATION TO MEDICAL ASPECTS OF THE MERCURY PROBLEM, THE LATEST FINDINGS WITH REGARD TO INTERACTION BETWEEN MERCURY AND SELENIUM AND CONCERNING A CERTAIN NUMBER OF SUBCLINICAL EFFECTS OF MERCURY POISONING ON MAN ARE DISCUSSED.

SWEDEN — "ECOLOGICAL ASPECTS OF OIL POLLUTION." IVL - SWEDISH WATER AND AIR POLLUTION RESEARCH LABORATORY
JERNELOV, A., AND OTHERS — EPA
PH(B) — ENGLISH — 03/00/75 — PGS 1-6 — ID# 03617A

THIS PAPER IS BASED ON FINDINGS BY A CONSULTING GROUP OF SWEDISH ECOLOGISTS WHO WERE INVITED TO KILTAN ISLAND, LACCADIVES, INDIA IN CONNECTION WITH AN OIL SPILL FROM THE TANKER TRANS HURON IN THIS AREA IN 1974. IN ADDITION TO AN EVALUATION OF THE EFFECTS CAUSED BY THE OIL SPILL, THE GROUP WAS ASSIGNED, ON THE BASIS OF OBSERVATIONS MADE IN THE FIELD, (A) TO ADVISE ON THE FEASIBILITY OF USING CHEMICAL DISPERGENTS AND OIL HERDERS IN THAT SITUATION AND (B) TO DESIGN METHODS FOR QUANTITATIVE BIOLOGICAL SAMPLING AND METHODS FOR CHEMICAL ANALYSIS OF OIL TO BE USED IN A FOLLOW-UP STUDY. SINCE THESE TWO ISSUES CAN BE APPLICABLE TO OTHER CASES OF OIL SPILL HAZARDS, BECAUSE OF THEIR GENERAL CHARACTER, THIS PAPER, CONTAINING ABSTRACTS FROM THE ORIGINAL REPORT, WAS PUBLISHED.

WATER

SWEDEN

AVRINNING FRAN ONRADEN MED AVFALLSUPPLAG (RUNOFF FROM WASTE DISPOSAL AREAS)
NILSSON, Y., LARS, AND OTHERS EPA
ST( ) SWEDISH 11/00/75 PGS 1-59 ID# 03575A

RUNOFF WATER FROM WASTE DISPOSAL AREAS IS GENERALLY SO POLLUTED THAT IT CANNOT BE LED DIRECTLY INTO RECEIVING WATERS WITHOUT CAUSING NEGATIVE EFFECTS. THE INTENSITY OF THE RUNOFF VARIES GREATLY, AND IT IS THEREFORE NECESSARY TO LEAD IT THROUGH AN EQUALIZING RESERVOIR TO ENSURE EVEN STRESS BEFORE THE WATER REACHES THE TREATMENT PLANT AND RECEIVING WATERS. TWO METHODS FOR CALCULATING EQUALIZING RESERVOIRS ARE PRESENTED IN THIS REPORT. METHOD NUMBER 1, WHICH REQUIRES MEASUREMENTS, MAPPINGS AND CALCULATIONS, IS SO ACCURATE THAT MISCALCULATIONS CAN BE TOTALLY AVOIDED. METHOD NUMBER 2, INTENDED FOR ROUGH ESTIMATES, IS BASED ON INFORMATION ABOUT TAPPING AND SIZE OF THE AREA. THE REPORT IS ILLUSTRATED WITH A RUNOFF MAP OF SWEDEN AND NUMEROUS CHARTS AND GRAPHS.

SWEDEN

"COMBINED ADSORPTION AND CHEMICAL FLOCCULATION TREATMENT OF INDUSTRIAL WASTEWATER." INSTITUTET FOR VATTEN- OCH LUFTVARDSFORSKNING
NIDEBORN, CLAES, AND BJORN LUNDBERG EPA
ST( ) SWEDISH 11/00/75 PGS 1-9 ID# 03598A

MUNICIPAL SEWAGE TREATMENT PLANTS WHICH TREAT WASTEWATER FROM TEXTILE INDUSTRIES OFTEN DISCHARGE THE TREATED WATER STILL CONTAINING COLOR. SINCE MOST DYES USED IN TEXTILE PROCESSING ARE NOT OR ARE ONLY SLIGHTLY BIODEGRADABLE, SPECIAL TREATMENT TO DECOLORIZE THE WATER IS NECESSARY. THIS REPORT SHOWS THAT POWDERED ACTIVATED CARBON USED IN COMBINATION WITH CHEMICAL FLOCCULATION CAN BE USED TO TREAT COLORED WATER TECHNICALLY WITH GOOD RESULTS SO THAT NO SPECIAL FACILITY HAS TO BE BUILT FOR THIS PURPOSE. THE METHOD IS, HOWEVER, QUITE EXPENSIVE WHEN TREATMENT IS REQUIRED FOR LARGE AMOUNTS OF WATER. IT IS THEREFORE RECOMMENDED THAT THE ACTIVATED CARBON TREATMENT BE USED AS CLOSE TO THE POLLUTING SOURCE AS POSSIBLE, DIRECTLY IN THE TEXTILE MILLS, IN ORDER TO PREVENT THE COLORED WATER FROM GETTING MIXED WITH WASTEWATER FROM OTHER SOURCES. THIS WAY THE COST CAN BE KEPT AT AN ACCEPTABLE LEVEL.

SWITZERLAND

"A WAY TO COMMERCIALLY COMPATIBLE WATER PROTECTION." NEUE ZUERCHER ZEITUNG
STICKELBERGER, DIETEGEN EPA
PH(B) GERMAN 01/16/76 PGS 19 ID# 03583A
ALSO SE

THE ARTICLE, BY AN EMPLOYEE OF THE SWISS FEDERAL INSTITUTE FOR WATER SUPPLY, SEWAGE PURIFICATION AND WATER PROTECTION IN DUEBENDORF, DISCUSSES THE POLLUTER PAYS PRINCIPLE IN REGARD TO MEANS OF LIMITING THE USE OF PHOSPHATES IN WASHING AGENTS. IT PROPOSES A FEDERAL TAX ON THE PHOSPHATE CONTENT OF WASHING AGENTS. PROCEEDS COULD BE USED TO REMOVE PHOSPHATE FROM PURIFICATION PLANTS AND, IN THE FUTURE, TO SUBSIDIZE ENVIRONMENTALLY COMPATIBLE CLEANING PRODUCTS. THE FEDERAL GOVERNMENT'S RIGHT TO IMPOSE SUCH A TAX STEMS FROM SEVERAL LAWS. ARTICLE 8 OF THE JULY 1, 1972 SECOND FEDERAL LAW ON THE PROTECTION OF WATER AGAINST POLLUTION ALLOWS THE AUTHORITIES TO CHARGE THE POLLUTER THE COSTS OF DETERMINING AND REMOVING POLLUTION. ARTICLE 24 SEPTIES OF THE CONSTITUTION ENABLES THE FEDERAL GOVERNMENT TO PASS ENVIRONMENTAL LEGISLATION, WHILE ARTICLE 42H EMPOWERS THE FEDERATION TO IMPOSE CERTAIN NATIONAL FEES FOR DEFINED, LIMITED PURPOSES IF THEY DO NOT INFRINGE ON THE CANTONAL RIGHT TO TAX.

SWITZERLAND "649 CENTRAL SEWAGE PURIFICATION FACILITIES. A STOCKTAKING OF WATER PROTECTION AND WASTE REMOVAL." NEUE ZUERCHER ZEITUNG

EPA

PN(S) GERMAN 04/07/76 PGS 32 ID# 03607A

SOLID WASTE

IN SWITZERLAND, 72 PERCENT OF THE POPULATION LIVES IN COMMUNITIES SERVED BY SEWAGE PURIFICATION PLANTS, AND 74 PERCENT LIVES IN AREAS SERVED BY SOME SORT OF WASTE REMOVAL FACILITY, ACCORDING TO A PRESS RELEASE OF THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION. THE OFFICE, IN SUMMARIZING THE STATUS OF SEWAGE AND WASTE REMOVAL, NOTED THAT AS OF JANUARY 1, 1976 THERE WERE 649 PURIFICATION PLANTS IN OPERATION, SERVING 1149 COMMUNITIES. IN SPITE OF THE RECESSION, FUNDS WERE PROVIDED LAST YEAR FOR THE CONSTRUCTION OF 66 PURIFICATION FACILITIES, AND 97 INSTALLATIONS WERE READY FOR CONSTRUCTION AT THE BEGINNING OF 1976. AT THE FIRST OF THE YEAR, THERE WERE 44 WASTE INCINERATORS IN SWITZERLAND, 15 OF WHICH ALLOW FURTHER UTILIZATION OF GENERATED HEAT. IN ADDITION THERE WERE 11 COMPOSTING PLANTS AND 23 DUMPS FOR HOUSEHOLD WASTES. BECAUSE OF PAST OVER GENEROUS PROJECTIONS OF NEED, HOWEVER, SOME OF THE INCINERATORS ARE NOT YET USED TO CAPACITY.

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